



IRN : 0a0e31f16aa8bb702fb7e61e1773b4b4a97777b9-d8289af2db53254132960a33
 Ack No. : 122422681698104
 Ack Date : 17-Aug-24

JAGIT INDIA PRIVATE LIMITED B 18, Punit Industrial Estate, Thane-Belapur Road Turbhe MIDC, Navi Mumbai 400705 GSTIN/UIN: 27AAECJ9348R1ZL State Name : Maharashtra, Code : 27 Consignee (Ship to) Semolina Kitchens Private Limited Food And Beverages Outlets, Food And Beverages Outlets, Terminal, Chhatrapati Shivaji International Airport, Santacruz East, 400099 GSTIN/UIN : 27ABICS8699F1ZJ State Name : Maharashtra, Code : 27 Buyer (Bill to) Semolina Kitchens Private Limited Food And Beverages Outlets, Food And Beverages Outlets, Terminal, Chhatrapati Shivaji International Airport, Santacruz East, 400099 GSTIN/UIN : 27ABICS8699F1ZJ State Name : Maharashtra, Code : 27 Place of Supply : Maharashtra	Invoice No.	e-Way Bill No.	Dated
	JI/M/24-25/515	291811462538	17-Aug-24
	Delivery Note		Mode/Terms of Payment
	JI/DC/M/24-25/542		100% Advance Before Dispatch
	Reference No. & Date.		Other References
	PO/24-25/000621 dt. 17-Aug-24		
	Buyer's Order No.		Dated
	PO/24-25/000621		23-Jul-24
	Dispatch Doc No.		Delivery Note Date
			16-Aug-24
Dispatched through		Destination	
PCS Courier			
Bill of Lading/LR-RR No.		Motor Vehicle No.	
		MH03DV0854	
Executive Name		Executive Mobile No.	
RITESH		+91 92711 00104	
Terms of Delivery			
Through Transport			
On to Pay Basis			
Godown Delivery			

Sl No.	Description of Goods and Services	HSN/SAC	GST Rate	Quantity	Rate	per	Amount
1	Fire Ext: ABC 4 Kg MAP90 (SAFEX) Serial No 6759 To 6768	84241000	18 %	10 Nos.	1,840.00	Nos.	18,400.00
2	Fire Ext: Clean Agent Modular 2 KG (SAFEX) Serial No 34	84241000	18 %	1 Nos.	8,850.00	Nos.	8,850.00
3	Fire Ext: CO2 4.5 Kg (SAFEX) Serial No : 043425 / 051503 051536 / 051552 Serial No (HPT) : MA76124/MA 77023 MA74666 / MA62578	84241000	18 %	4 Nos.	4,635.00	Nos.	18,540.00
4	Fire Ext: K Type 6 LTR (SAFEX) Serial No 000020 /000021	84241000	18 %	2 Nos.	8,800.00	Nos.	17,600.00
5	Fire Blanket 1m x 2m	63019090	18 %	2 Nos.	580.00	Nos.	1,160.00
6	Fire Bucket Stand Suitable for Four Buckets	84241000	18 %	4 Nos.	915.00	Nos.	3,660.00
7	Fire Bucket	84241000	18 %	16 Nos.	220.00	Nos.	3,520.00
							71,730.00
Less :							
OUTPUT CGST 9% OUTPUT SGST 9% Round Off							6,455.70 6,455.70 (-)0.40
Total				39 Nos.			₹ 84,641.00

Amount Chargeable (in words)
INR Eighty Four Thousand Six Hundred Forty One Only

Company's Bank Details
 A/c Holder's Name : JAGIT INDIA PVT LTD-M (2023-24)
 Bank Name : HDFC Bank Ltd - (8736)
 A/c No. : 50200083878736
 Branch & IFS Code: SS Road & HDFC0000104

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Customer's Seal and Signature

for JAGIT INDIA PRIVATE LIMITED

Created By :

Prepared by : *[Signature]* Verified by :



8286624204
MH. 03 DV
0854

DELIVERY CHALLAN

JAGIT INDIA PRIVATE LIMITED B 18, Punit Industrial Estate, Thane-Belapur Road Turbhe MIDC, Navi Mumbai 400705 GSTIN/UIN: 27AAECJ9348R1ZL State Name : Maharashtra, Code : 27	Delivery Note No. JI/DC/M/24-25/542	Dated 16-Aug-24
		Mode/Terms of Payment 100% Advance Before Dispatch
	Reference No. & Date. PO/24-25/000621 dt 14-Aug-24	Other References
Consignee (Ship to) Semolina Kitchens Private Limited Food And Beverages Outlets, Food And Beverages Outlets, Terminal, Chhatrapati Shivaji International Airport, Santacruz East, 400099 GSTIN/UIN : 27ABICS8699F1ZJ State Name : Maharashtra, Code : 27	Buyer's Order No. PO/24-25/000621	Dated 23-Jul-24
	Dispatch Doc No.	
Buyer (Bill to) Semolina Kitchens Private Limited Food And Beverages Outlets, Food And Beverages Outlets, Terminal, Chhatrapati Shivaji International Airport, Santacruz East, 400099 GSTIN/UIN : 27ABICS8699F1ZJ State Name : Maharashtra, Code : 27 Place of Supply : Maharashtra	Dispatched through PCS Courier	Destination
	Bill of Lading/LR-RR No.	Motor Vehicle No. MH03DV0854
	Terms of Delivery Through Tansport On to Pay Basis Godown Delivery	

Sl No.	Description of Goods	HSN/SAC	GST Rate	Quantity
1	Fire Ext: ABC 4 Kg MAP90 (SAFEX) <i>Serial No 6759 To 6768</i>	84241000	18 %	10 Nos.
2	Fire Ext: Clean Agent Modular 2 KG (SAFEX) <i>Serial No 34</i>	84241000	18 %	1 Nos.
3	Fire Ext: CO2 4.5 Kg (SAFEX) <i>Serial No : 043425 / 051503 051536 / 051552 Serial No (HPT) : MA76124 / MA 77023 MA74666 / MA62578</i>	84241000	18 %	4 Nos.
4	Fire Ext: K Type 6 LTR (SAFEX) <i>Serial No 000020 / 000021</i>	84241000	18 %	2 Nos.
5	Fire Blanket 1m x 2m	63019090	18 %	2 Nos.
6	Fire Bucket Stand <i>Suitable for Four Buckets</i>	84241000	18 %	4 Nos.
7	Fire Bucket	84241000	18 %	16 Nos.
	OUTPUT CGST 9% OUTPUT SGST 9% Round Off			
	Less :			
	Total			39 Nos.

E. & O.E

Recd. in Good Condition 8286624204 MH.03DV 0854	for JAGIT INDIA PRIVATE LIMITED Prepared by _____ Verified by _____
--	--



Approvals and Accreditation :



Regd. Office :
202, 'A' Dhanraj Industrial Estate,
Sunmii Road, Lower Parel (West),
Mumbai - 400 013, INDIA.
Tel. : 2493 8108, 2493 8129, 2495 0224
E-mail : ho@safexfire.com
Website : www.safexfire.com
CIN - U29193MH2000PLC127212

Safex Fire Services Ltd.

DT-31.07.2024

WARRANTY CERTIFICATE

This is to certify that following Fire Extinguishers: -

Srl No	Type of Fire Extinguishers/. Its Spares	QTY	Serial No.
1	ABC 4KG S/P TYPE F/EXT	10.00	6759 TO 6768
2	Clean Agent 2KG TYPE F/EXT (MODULAR)	1.00	34

Supplied vide our Invoice No. P03246 date 31.07.2024 to M/S.JAGIT INDIA P.LTD.46/1A/2-SONAWANE INDUSTRIAL ESTATE NR CITY PRIDE MULTIPLEX OPP HOTEL VTSAV PUNE SATRA ROAD PUNE-411099. Against Order No. JIPL-PO-24-25-56 dated 23.07.2024 are herewith warranty against any manufacturing defects for a period of 3YEAR FROM DT.31.07.2024 TO 30.07.2027

Further, we certify that the above material is made of best quality in workmanship free from all defects in material and workmanship, if any discrepancy in the performance of the material in that event we under take free repairs or replacement during the warrantee period at our own cost, the discrepancy provided is beyond reasonable doubt that it is duc to defective workmanship or the substandard quality of the raw-materials used in the construction of the material Our liability discharges from damages due to fire, accidents, mishandling, defective storage conditions etc.

For SAFEX FIRE SERVICES LTD.,

AUTHORISED SIGNATORY/DIRECTOR





Approvals and Accreditation :



Regd. Office :
202, 'A' Dhanraj Industrial Estate,
Sunmil Road, Lower Parel (West),
Mumbai - 400 013. INDIA.
Tel. : 2493 8108, 2493 8129, 2495 0224
E-mail : ho@safexfire.com
Website : www.safexfire.com
CIN - U29193MH2000PLC127212

Safex Fire Services Ltd.

DT-27.07.2024

HYDRAULIC PRESSURE TEST CERTIFICATE

This is to certify that the following Fire Extinguishers supplied to below mentioned Company have been tested at 36kgf/cm² and Hydraulic Pressure Testing is Okay and satisfactory.

Invoice No & Dt	Description	Qty.	& Serial No.	Remarks
P03246 Dt 31.07.2024	ABC 4KG S/P TYPE F/EXT	10.00 Nos	6759 TO 6768	From all lot Found Okay Satisfactory
	CLEAN AGENT 2KG (MODULAR) TYPE F/EXT	1.00 Nos	34	From all lot Found Okay Satisfactory

Above material was supplied to M/s. **JAGIT INDIA PRIVATE LIMITED**.46/1A/2,
SONAWANE INDUSTRIAL ESTATE, NR. CITY PRIDE MULTIPLEX, OPP. HOTEL
UTSAVPUNE - SATARA ROAD, PUNE - 411009

For.SAFEX FIRE SERVICES LTD.,

AUTHORISED SIGNATORY/DIRECTOR

Place : Mumbai





Approvals and Accreditation :



Regd. Office :
202, 'A' Dhanraj Industrial Estate,
Sunnil Road, Lower Parel (West),
Mumbai - 400 013, INDIA.
Tel : 2493 8108, 2493 8129, 2495 0224
E-mail : ho@safexfire.com
Website : www.safexfire.com
CIN - U29193MH2000PLC127212

Safex Fire Services Ltd.

DT-24.04.2024

WARANTY CERTIFICATE

This is to certify that following Fire Extinguishers: -

Srl No	Type of Fire Extinguishers/. Its Spares	QTY	Serial No.
1	ABC 4KG S/P TYPE F/EXT	50.00	5937 TO 5986
2	ABC 6KG S/P TYPE F/EXT	200.00	5517 TO 5600-5602 TO 5700 5702 TO 5718
3	ABC 9KG S/P TYPE F/EXT	30.00	217 TO 246
4	CO2 4.5KG W/T TYPE F/EXT	50.00	1496 TO 1545
5	ABC 6KG S/P TYPE F/EXT	10.00	93 TO 100-102 TO 103
6	WET CHEMICAL 6LTR TYPE F/EXT (SP)	4.00	19 TO 22
7	Clean Agent 4KG TYPE F/EXT (SP)	2.00	59 TO 60

Supplied vide our Invoice No. P00733 date 24.04.2024 to M/S.JAGIT INDIA P.LTD.46/1A/2-SONAWANE INDUSTRIAL ESTATE NR CITY PRIDE MULTIPLEX OPP HOTEL VTSAV PUNE SATRA ROAD PUNE-411099. Against Order No. JIPL-PO-24-25-06 dated 11.04.2024 are herewith warranty against any manufacturing defects for a period of 3YEAR FROM DT.24.04.2024 TO 23.04.2027

Further, we certify that the above material is made of best quality in workmanship free from all defects in material and workmanship, if any discrepancy in the performance of the material in that event we under take free repairs or replacement during the warrantee period at our own cost, the discrepancy provided is beyond reasonable doubt that it is due to defective workmanship or the substandard quality of the raw-materials used in the construction of the material Our liability discharges from damages due to fire, accidents, mishandling, defective storage conditions etc.

For SAFEX FIRE SERVICES LTD.,

[Handwritten Signature]

AUTHORISED SIGNATORY/DIRECTOR





Approvals and Accreditation :



Regd. Office :
202, 'A' Dhanraj Industrial Estate,
Sunnil Road, Lower Parel (West),
Mumbai - 400 013. INDIA.
Tel. : 2493 8108, 2493 8129, 2495 0224
E-mail : ho@safexfire.com
Website : www.safexfire.com
CIN - U29193MH2000PLC127212

Safex Fire Services Ltd.

DT.20.04.2024

HYDRAULIC PRESSURE TEST CERTIFICATE

This is to certify that the following Fire Extinguishers supplied to below mentioned Company have been tested at 36kgf/cm² and Hydraulic Pressure Testing is Okay and satisfactory.

Invoice No & Date	Description	Qty	Serial No.	Remarks
P00733 DT. 24.04.2024	ABC 4KG S/P TYPE F/EXT	50.00 NOS	5937 TO 5986	From all lot Found Okay Satisfactory
	ABC 6KG S/P TYPE F/EXT	200.00 Nos	5517 TO 5600 5602 TO 5700 5702 TO 5718	From all lot Found Okay Satisfactory
	ABC 6KG S/P TYPE F/EXT	10.00 NOS	93 TO 100 102 TO 103	From all lot Found Okay Satisfactory
	WET CHEMICAL 6LTR SP TYPE F/EXT	4.00 NOS	19 TO 22	From all lot Found Okay Satisfactory
	CLEAN AGENT 4KG TYPE F/EXT (SP)	2.00 NOS	59 TO 60	From all lot Found Okay Satisfactory

Above material was supplied to M/s. **JAGIT INDIA PRIVATE LIMITE.**46/1A/2,
SONAWANE INDUSTRIAL ESTATE,NR. CITY PRIDE MULTIPLEX, OPP.
HOTELUTSAV, PUNE - SATARA ROAD, PUNE.

For SAFEX FIRE SERVICES LTD.,

[Signature]

AUTHORISED SIGNATORY/DIRECTOR

Place: Mumbai



Seal:



Approvals and Accreditation :



Regd. Office :
202, 'A' Dhanraj Industrial Estate,
Sunnil Road, Lower Parel (West),
Mumbai - 400 013, INDIA.
Tel. : 2493 8108, 2493 8129, 2495 0224
E-mail : ho@safexfire.com
Website : www.safexfire.com
CIN - U29193MH2000PLC127212

Safex Fire Services Ltd.

DT-07.02.2024

WARRANTY CERTIFICATE

This is to certify that following Fire Extinguishers:-

Srl No	Type of Fire Extinguishers/. Its Spares	QTY	Serial No.
1	ABC 6KG S/P TYPE F/EXT	10.00	2263 TO 2272
2	CO2 4.5KG W/T TYPE F/EXT	2.00	43424 TO 42425

Supplied vide our Invoice No. P09898 date 07.02.2024 to M/S.JAGIT INDIA P.LTD.46/1A/2-SONAWANE INDUSTRIAL ESTATE NR CITY PRIDE MULTIPLEX OPP HOTEL VTSAV PUNE SATRA ROAD PUNE-411099. Against Order No. JIPL-PO-23-24-122 dated 03.02.2024 are herewith warranty against any manufacturing defects for a period of 3YEAR FROM DT.07.02.2024 TO 06.02.2027

Further, we certify that the above material is made of best quality in workmanship free from all defects in material and workmanship, if any discrepancy in the performance of the material in that event we under take free repairs or replacement during the warrantee period at our own cost, the discrepancy provided is beyond reasonable doubt that it is due to defective workmanship or the substandard quality of the raw-materials used in the construction of the material Our liability discharges from damages due to fire, accidents, mishandling, defective storage conditions etc.

For SAFEX FIRE SERVICES LTD.,


AUTHORISED SIGNATORY/DIRECTOR




Approvals and Accreditation :



Regd. Office :
202, 'A' Dhanraj Industrial Estate,
Sunmil Road, Lower Parel (West),
Mumbai - 400 013 INDIA.
Tel. : 2493 8108, 2493 8129, 2495 0224
E-mail : hc@safexfire.com
Website : www.safexfire.com
CIN - U29193MH2000PLC127212

Safex Fire Services Ltd.

DT-26.03.2024

WARANTY CERTIFICATE

This is to certify that following Fire Extinguishers: -

Srl No	Type of Fire Extinguishers/. Its Spares	QTY	Serial No.
1	ABC 4KG S/P TYPE F/EXT	50.00	37665 TO 37700 37702 TO 37715
2	CO2 6.5KG W/T TYPE F/EXT	4.00	1618 TO 1621
3	CO2 9KG W/T TYPE F/EXT	4.00	1516 TO 1519
4	CO2 22.5KG W/T TYPE F/EXT	1.00	759
5	ABC 6KG S/P TYPE F/EXT	100.00	84922 TO 85000 85002 TO 85022
6	CO2 4.5KG W/T TYPE F/EXT	50.00	51503 TO 51552
7	M.FOAM 45Ltrs I/C TYPE F/EXT	1.00	1712

Supplied vide our Invoice No. P11519 date 26.03.2024 to M/S.JAGIT INDIA P.LTD.46/1A/2-SONAWANE INDUSTRIAL ESTATE NR CITY PRIDE MULTIPLEX OPP HOTEL VTSAV PUNE SATRA ROAD PUNE-411099. Against Order No. JIPL-PO-23-24-144 dated 20.03.2024 are herewith warranty against any manufacturing defects for a period of 3YEAR FROM **DT.26.03.2024 TO 25.03.2027**

Further, we certify that the above material is made of best quality in workmanship free from all defects in material and workmanship, if any discrepancy in the performance of the material in that event we under take free repairs or replacement during the warrantee period at our own cost, the discrepancy provided is beyond reasonable doubt that it is due to defective workmanship or the substandard quality of the raw-materials used in the construction of the material Our liability discharges from damages due to fire, accidents, mishandling, defective storage conditions etc.

For M/s. SAFEX FIRE SERVICES LTD.

Authorized Signatory / Director





Certificate No. BPBO/SCPL/6.8L/23-24/296

Date: - 29/02/2024

ACCEPTANCE CERTIFICATE
OF
SEAMLESS STEEL GAS CYLINDERS FOR

GAS	SYMBOL	CYLINDER NO.		PASSED QTY
		FROM	TO	
Carbon Dioxide	CO ₂	MA 76081	MA 76281	200 Nos.

140.0 mm O.D x 585 mm Length x 6.8 Liters W.C

Cylinder Serial No. MA 76081 to MA 76281 Inclusive

Passed Qty 200 Nos.

CONFIRMING TO SPECIFICATION: IS 7285 (Part 1):2018
(Incorporating with amendment no .02)

INSPECTED & TESTED BY**BUREAU OF INDIAN STANDARDS****MANUFACTURED BY**

SHABA CYLINDER PVT. LTD.
3, INDUSTRIAL AREA, MAXI ROAD,
UJJAIN – 456010 (M.P.), INDIA

IS:7285

PART: 1
CM/L-3163346

SHABA CYLINDER PVT. LIMITED INSPECTION REPORT

Page 2 of 3

Batch No.: 21022024/36
Order No. -----Certificate No.: BPBO/SCPL/6.8L/23-24/296
Date: - 29/02/2024Purchaser: -----
Location: -----**TECHNICAL DATA**

Specifications	IS 7285 (Part 1) 2018 (incorporating with amendment no. 02)
Size	Outside Diameter 140.0 ± 1 % mm
Nominal Length	585 mm (approx.) (without cap and without valve)
Minimum Wall thickness	4.2 mm (Min)
Drawing No.	SCPL/52 - 16
Water Capacity	6.8 Liters + 10/-0 %
Test Pressure	225 BAR
Working Pressure	150 BAR at 15°C
Nominal Tare Weight	10.0 kg (approx.)
Neck Threading	IS 3224: 2002 14-TPI Type 4, Size 2
Bottom	CONCAVE
Material	37 Mn (Manganese Steel)
Heat No.	J2448
R.M.T.C No.	MSL-6/QC/2005A/2023 Dt 21/12/2023
Supplier	M/s Maharashtra Seamless Ltd., India
Quantity Passed	200 Nos.

Cylinder Sr. Nos	Name of Gas	Colour/Band	Neck Thread	Size
MA 76081 To MA 76281	CO ₂	P.O. Red	25.4 mm	2

METHOD OF MANUFACTURE

- 1) Hot Spinning
- 2) Heat Treatment: Normalizing at 850 ± 30°C for 30 min

INSPECTION

The cylinders have been inspected and tested in accordance with scheme of inspection and testing laid down under the product manual ref. PM/IS 7285 (Part 1)/2/July 2021 attached to BIS license no. CM/L-3163346 valid up to date 30.11.2024.

TESTS

Visual Inspection	: Satisfactory
Hydrostatic Stretch Test (T.P.- 225 BAR)	: Satisfactory
Air Leakage Test (T.P.- 150 BAR)	: Satisfactory

29/02/24

सजय कुमार विश्वकर्मा / Sanjay Kumar Vishwakarma
 वैज्ञानिक-बी / सहायक निदेशक
 Scientist-B/Assistant Director
 भारतीय मानक ब्यूरो, भोपाल
 Bureau of Indian Standards, Bhopal



SHABA CYLINDER PVT. LIMITED INSPECTION REPORT

Batch No.: 21022024/36

Certificate No.: BPBO/SCPL/6.8L/23-24/296
Date: - 29/02/2024

Measurement taken on one representative cylinder of batch

Cyl. Sr.No.	Covering Serial No.	Water Capacity 6.8 ^{+10/-0} % liter	Mass Empty, 10.0 Kg. (approx.)	Minimum Measured Thickness, mm		Outside Diameter 140.0 ^{±1%} (mm)
				Wall, 4.2	Base, 8.4	
MA 76193	MA 76081 to MA 76281	6.90	9.7	4.5	14.4	140.0-140.5

2. Mechanical Tests

Cyl. Sr.No.	Cast No	Tensile Test			Charpy Impact Test at Temp (-20 °C) Direction-Longitudinal		Bend Test 180 ° Without Cracking
		Yield Strength 430MPa (Min)	Tensile Strength 670 MPa (Min)	Elongation 18 % (Min)	Individual 32 J/cm ² (Min)	Average, 40 J/cm ² (Min)	
MA 76228	J2448	545.86	750.23	20.00	111.86	98.99	No crack observed result satisfactory
					128.92		
					56.18		

CHEMICAL PROPERTIES - EXTRACT FROM DRG (Grade: 37 MN)

Content	Min. (%)	Max. (%)	Content	Min. (%)	Max. (%)
Carbon	0.33	0.40	Nickel	-	0.20
Silicon	0.10	0.35	Copper	-	0.20
Manganese	1.35	1.65	S + P	-	0.03
Phosphorus	-	0.02	V, Nb, Ti, B, Zr, Sn	-	0.15
Sulphur	-	0.015			
Chromium	-	0.20			

The cylinder design drawing SCPL/52 - 16 dated 02/06/2022 is approved by the Chief Controller of Explosives, Govt. of India, Nagpur vide letter No G.3(42) 559/l dtd.07/11/2022.

Marking and painting are in accordance with the Gas Cylinder Rules 2016 of Govt. of India and as per drawing no. SCPL/52 - 17 dated 02/06/2022 is approved by the Chief Controller of Explosives, Govt. of India, Nagpur vide letter No G.3(42) 559/l dtd.07/11/2022.

This is to certify that the cylinders covered by this Acceptance Certificate have passed the hydraulic pressure test and all the other tests as required in 10 of IS 7285 (Part 1): 2018 (incorporating with amendment no 02) and they are in accordance with this standard.

Remarks: MA 76228 - Used for Acceptance Test



Ramkrishna Sahu
RAMKRISHNA SAHU
MANAGER - QA/QC
SHABA CYLINDER PVT. LTD.,
UJJAIN

संजय कुमार विश्वकर्मा / Sanjay Kumar Vishwakarma
वैज्ञानिक-बी / सहायक निदेशक
Scientist-B/Assistant Director
भारतीय मानक ब्यूरो, भोपाल
Bureau of Indian Standards, Bhopal

Sanjay Kumar Vishwakarma
INSPECTING OFFICER
BUREAU OF INDIAN STANDARDS,
BHOPAL BRANCH OFFICE



SHABA CYLINDER PVT. LIMITED
HYDROSTATIC STRETCH TEST RECORDS

PART:1
CM/L-3163946

Certificate No. : BPBO/SCPL/6.8L/23-24/ 296
Date of Testing : 22/02/2024
Cylinder Sr.No : MA 76081 to MA 76281

Date : 29/02/2024
Batch No. 21022024/36

CYL. SR.NO.	FINAL TARE WEIGHT (Kg)	NOMINAL VOLUMETRIC CAPACITY (Litre)	ACTUAL TEST PRESSURE (BAR)	TOTAL EXPANSION-Te (C.C.)	PERMANENT EXPANSION-Pe (C.C.)	RATIO (Pe/Te) %	LEAKAGE TEST	REMARK
MA 76081	9.6	6.8	225	28	0.8	2.9	OK	
MA 76082	9.7	6.8	225	26	0.8	2.3	OK	
MA 76083	9.8	6.8	225	22	0.2	0.9	OK	
MA 76084	9.7	6.8	225	20	0.6	2.3	OK	
MA 76085	9.8	6.8	225	24	0.4	1.7	OK	
MA 76086	9.7	6.8	225	28	0.8	2.9	OK	
MA 76087	9.9	6.8	225	22	0.2	0.9	OK	
MA 76088	9.8	6.8	225	24	0.4	1.7	OK	
MA 76089	9.8	6.8	225	26	0.6	2.3	OK	
MA 76090	9.9	6.8	225	28	0.8	2.9	OK	
MA 76091	9.8	6.8	225	24	0.4	1.7	OK	
MA 76092	9.8	6.8	225	26	0.6	2.3	OK	
MA 76093	9.7	6.8	225	22	0.2	0.9	OK	
MA 76094	9.7	6.8	225	26	0.6	2.3	OK	
MA 76095	9.8	6.8	225	24	0.4	1.7	OK	
MA 76096	9.4	6.8	225	28	0.8	2.9	OK	
MA 76097	10.1	6.8	225	22	0.2	0.9	OK	
MA 76098	9.8	6.8	225	26	0.6	2.3	OK	
MA 76099	10.0	6.8	225	26	0.6	2.3	OK	
MA 76100	9.5	6.8	225	26	0.6	2.3	OK	
MA 76101	9.7	6.8	225	26	0.6	2.3	OK	
MA 76102	9.9	6.8	225	22	0.2	0.9	OK	
MA 76103	9.7	6.8	225	24	0.4	1.7	OK	
MA 76104	9.5	6.8	225	26	0.6	2.3	OK	
MA 76105	9.5	6.8	225	28	0.8	2.9	OK	
MA 76106	9.5	6.8	225	24	0.4	1.7	OK	
MA 76107	9.5	6.8	225	22	0.2	0.9	OK	
MA 76108	9.6	6.8	225	28	0.8	2.9	OK	
MA 76109	9.5	6.8	225	26	0.6	2.3	OK	
MA 76110	9.7	6.8	225	22	0.2	0.9	OK	
MA 76111	9.9	6.8	225	26	0.6	2.3	OK	
MA 76112	9.9	6.8	225	28	0.8	2.9	OK	
MA 76113	9.8	6.8	225	22	0.2	0.9	OK	
MA 76114	9.6	6.8	225	24	0.4	1.7	OK	
MA 76115	9.6	6.8	225	22	0.2	0.9	OK	
MA 76116	9.8	6.8	225	26	0.6	2.3	OK	
MA 76117	9.8	6.8	225	28	0.8	2.9	OK	
MA 76118	9.8	6.8	225	24	0.4	1.7	OK	
MA 76119	9.9	6.8	225	26	0.6	2.3	OK	
MA 76120	9.9	6.8	225	28	0.8	2.9	OK	
MA 76121	9.8	6.8	225	22	0.2	0.9	OK	
MA 76122	9.8	6.8	225	28	0.8	2.9	OK	
MA 76123	9.6	6.8	225	24	0.4	1.7	OK	
MA 76124	10.0	6.8	225	26	0.6	2.3	OK	
MA 76125	9.5	6.8	225	28	0.8	2.9	OK	
MA 76126	9.6	6.8	225	24	0.4	1.7	OK	
MA 76127	9.4	6.8	225	26	0.6	2.3	OK	
MA 76128	9.9	6.8	225	22	0.2	0.9	OK	
MA 76129	9.8	6.8	225	26	0.6	2.3	OK	
MA 76130	9.9	6.8	225	24	0.4	1.7	OK	
MA 76131	9.5	6.8	225	28	0.8	2.9	OK	
MA 76132	9.8	6.8	225	22	0.2	0.9	OK	
MA 76133	9.6	6.8	225	24	0.4	1.7	OK	

Signature



Certificate No. BPBO/SCPL/6.8L/23-24/300

Date: - 29/02/2024

ACCEPTANCE CERTIFICATE
OF
SEAMLESS STEEL GAS CYLINDERS FOR

GAS	SYMBOL	CYLINDER NO.		PASSED QTY
		FROM	TO	
Carbon Dioxide	CO ₂	MA 76885	MA 77085	200 Nos.

140.0 mm O.D x 585 mm Length x 6.8 Liters W.C

Cylinder Serial No. MA 76885 to MA 77085 Inclusive

Passed Qty 200 Nos.

CONFIRMING TO SPECIFICATION: IS 7285 (Part 1):2018
(Incorporating with amendment no .02)

INSPECTED & TESTED BY

BUREAU OF INDIAN STANDARDS

MANUFACTURED BY

SHABA CYLINDER PVT. LTD.
3, INDUSTRIAL AREA, MAXI ROAD,
UJJAIN – 456010 (M.P.), INDIA

IS:7285

PART:1
CM/L-3163346

SHABA CYLINDER PVT. LIMITED
INSPECTION REPORT

Page 2 of 3

Batch No.: 22022024/40
Order No.:Certificate No.: BPBO/SCPL/6.8L/23-24/300
Date: - 29/02/2024Purchaser: -----
Location: -----**TECHNICAL DATA**

Specifications	: IS 7285 (Part 1): 2018 (incorporating with amendment no. 02)
Size	: Outside Diameter 140.0 ± 1 % mm
Nominal Length	: 585 mm (approx.) (without cap and without valve)
Minimum Wall thickness	: 4.2 mm (Min)
Drawing No.	: SCPL/62 - 16
Water Capacity	: 6.8 Liters ± 10/-0 %
Test Pressure	: 225 BAR
Working Pressure	: 150 BAR at 15°C
Nominal Tare Weight	: 10.0 kg (approx.)
Neck Threading	: IS 3224: 2002 14 TPI Type 4, Size 2
Bottom	: CONCAVE
Material	: 37 Mn (Manganese Steel)
Heat No.	: J2449
R.M.T.C No	: MSL-6/QC/2005B/2023 Dt.21/12/2023
Supplier	: M/s Maharashtra Seamless Ltd., India
Quantity Passed	: 200 Nos.

Cylinder Sr. Nos	Name of Gas	Colour/Band	Neck Thread	Size
MA 76685 To MA 77085	CO ₂	P.O. Red	25.4 mm	2

METHOD OF MANUFACTURE

- 1) Hot Spinning
- 2) Heat Treatment: Normalizing at 850 ± 30°C for 30 min

INSPECTION

The cylinders have been inspected and tested in accordance with scheme of inspection and testing laid down under the product manual ref. PM/IS 7285 (Part 1)/2/July 2021 attached to BIS license no. CM/L- 3163346 valid up to date. 30.11.2024.

TESTS

Visual Inspection	: Satisfactory
Hydrostatic Stretch Test (T.P- 225 BAR)	: Satisfactory
Air Leakage Test (T.P- 150 BAR)	: Satisfactory



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29/02/2024

सजय कुमार विश्वकर्मा / Sanjay Kumar Vishwakarma
वैज्ञानिक-बी / सहायक निदेशक
Scientist-B/Assistant Director
भारतीय मानक ब्यूरो, भोपाल
Bureau of Indian Standards, Bhopal

IS:7285

PART:1
CM/L-3163346

Batch No.: 22022024/40

SHABA CYLINDER PVT. LIMITED
INSPECTION REPORT

Page 3 of 3

Certificate No.: BPBO/SCPL/6 8L/23-24/300
Date: - 29/02/2024

Measurement taken on one representative cylinder of batch

Cyl. Sr.No.	Covering Serial No.	Water Capacity 6.8 ^{+10/-0} % liter	Mass Empty, 10.0 Kg (approx.)	Minimum Measured Thickness, mm		Outside Diameter 140.0 ^{+1%} (mm)
				Wall, 4.2	Base, 8.4	
MA 77007	MA 76885 to MA 77085	6.85	9.6	4.5	14.4	140.0-140.5

2. Mechanical Tests

Cyl. Sr.No.	Cast No	Tensile Test			Charpy Impact Test at Temp (-20 °C) Direction-Longitudinal		Bend Test 180 ° Without Cracking
		Yield Strength 430MPa (Min)	Tensile Strength 670 MPa (Min)	Elongation 18 % (Min)	Individual 32 J/cm ² (Min)	Average, 40 J/cm ² (Min)	
MA 77013	J2449	593.87	709.48	21.90	93.41 174.29 123.92	130.54	No crack observed result satisfactory

CHEMICAL PROPERTIES - EXTRACT FROM DRG (Grade: 37 MN)

Content	Min. (%)	Max. (%)	Content	Min. (%)	Max. (%)
Carbon	0.33	0.40	Nickel	-	0.20
Silicon	0.10	0.35	Copper	-	0.20
Manganese	1.35	1.65	S + P	-	0.03
Phosphorus	-	0.02	V, Nb, Ti, B, Zr, Sn	-	0.15
Sulphur	-	0.015			
Chromium	-	0.20			

The cylinder design drawing SCPL/52 - 16 dated 02/06/2022 is approved by the Chief Controller of Explosives, Govt. of India, Nagpur vide letter No G.3(42) 559/I dtd.07/11/2022.

Marking and painting are in accordance with the Gas Cylinder Rules 2016 of Govt. of India and as per drawing no. SCPL/52 - 17 dated 02/06/2022 is approved by the Chief Controller of Explosives, Govt. of India, Nagpur vide letter No G.3(42) 559/I dtd.07/11/2022.

This is to certify that the cylinders covered by this Acceptance Certificate have passed the hydraulic pressure test and all the other tests as required in 10 of IS 7285 (Part 1): 2018 (incorporating with amendment no 02) and they are in accordance with this standard.

Remarks: MA 77013 - Used for Acceptance Test



RAMKRISHNA SAHU
MANAGER - QA/QC
SHABA CYLINDER PVT. LTD.,
UJJAIN

संजय कुमार विश्वकर्मा / Sanjay Kumar Vishwakarma
वैज्ञानिक-बी / सहायक निदेशक
Scientist-B/Assistant Director
भारतीय मापक ब्यूरो, भोपाल
Bureau of Indian Standards, Bhopal
INSPECTING OFFICER
BUREAU OF INDIAN STANDARDS,
BHOPAL BRANCH OFFICE

(Signature)
29/02/2024

IS:7285



PART:1
CM/L-3163346

SHABA CYLINDER PVT. LIMITED
HYDROSTATIC STRETCH TEST RECORDS

Certificate No. : BPBO/SCPL/6.8L/23-24/ 300
Batch No. : 22022024/40

CYL. SR.NO.	FINAL TARE WEIGHT (Kg)	NOMINAL VOLUMETRIC CAPACITY (Litre)	ACTUAL TEST PRESSURE (BAR)	TOTAL EXPANSION-Te (C.C.)	PERMANENT EXPANSION-Pe (C.C.)	RATIO (Pe/Te) %	Leakage Test	REMARK
MA 76991	9.9	6.8	225	26	0.6	2.3	OK	
MA 76992	9.6	6.8	225	24	0.4	1.7	OK	
MA 76993	9.5	6.8	225	22	0.2	0.9	OK	
MA 76994	9.9	6.8	225	24	0.4	1.7	OK	
MA 76995	9.5	6.8	225	26	0.6	2.3	OK	
MA 76996	9.7	6.8	225	22	0.2	0.9	OK	
MA 76997	9.8	6.8	225	28	0.8	2.9	OK	
MA 76998	9.6	6.8	225	22	0.2	0.9	OK	
MA 76999	9.8	6.8	225	26	0.6	2.3	OK	
MA 77000	9.8	6.8	225	22	0.2	0.9	OK	
MA 77001	9.7	6.8	225	24	0.4	1.7	OK	
MA 77002	10.0	6.8	225	24	0.4	1.7	OK	
MA 77003	9.6	6.8	225	26	0.6	2.3	OK	
MA 77004	9.7	6.8	225	22	0.2	0.9	OK	
MA 77005	9.7	6.8	225	28	0.8	2.9	OK	
MA 77006	9.7	6.8	225	26	0.6	2.3	OK	
MA 77007	9.9	6.8	225	28	0.8	2.9	OK	
MA 77008	9.6	6.8	225	22	0.2	0.9	OK	
MA 77009	9.7	6.8	225	28	0.8	2.9	OK	
MA 77010	9.7	6.8	225	26	0.6	2.3	OK	
MA 77011	9.6	6.8	225	24	0.4	1.7	OK	
MA 77012	9.7	6.8	225	28	0.8	2.9	OK	
ACCEPTANCE TEST								
MA 77013	9.8	6.8	225	26	0.6	2.3	OK	AT
MA 77014	9.7	6.8	225	24	0.4	1.7	OK	
MA 77015	9.6	6.8	225	28	0.8	2.9	OK	
MA 77016	9.7	6.8	225	24	0.4	1.7	OK	
MA 77017	9.6	6.8	225	22	0.2	0.9	OK	
MA 77018	9.5	6.8	225	26	0.6	2.3	OK	
MA 77019	9.5	6.8	225	24	0.4	1.7	OK	
MA 77020	9.6	6.8	225	22	0.2	0.9	OK	
MA 77021	9.5	6.8	225	26	0.6	2.3	OK	
MA 77022	9.7	6.8	225	28	0.8	2.9	OK	
MA 77023	9.7	6.8	225	26	0.6	2.3	OK	
MA 77024	9.7	6.8	225	28	0.8	2.9	OK	
MA 77025	9.8	6.8	225	22	0.2	0.9	OK	
MA 77026	9.7	6.8	225	24	0.4	1.7	OK	
MA 77027	9.7	6.8	225	28	0.8	2.9	OK	
MA 77028	9.6	6.8	225	26	0.6	2.3	OK	
MA 77029	9.6	6.8	225	24	0.4	1.7	OK	
MA 77030	9.6	6.8	225	28	0.8	2.9	OK	
MA 77031	9.5	6.8	225	24	0.4	1.7	OK	
MA 77032	9.7	6.8	225	22	0.2	0.9	OK	
MA 77033	9.7	6.8	225	28	0.8	2.9	OK	
MA 77034	9.6	6.8	225	22	0.2	0.9	OK	
MA 77035	9.6	6.8	225	24	0.4	1.7	OK	
MA 77036	9.7	6.8	225	26	0.6	2.3	OK	
MA 77037	9.7	6.8	225	28	0.8	2.9	OK	
MA 77038	9.7	6.8	225	24	0.4	1.7	OK	
MA 77039	9.6	6.8	225	28	0.8	2.9	OK	
MA 77040	9.9	6.8	225	22	0.2	0.9	OK	
MA 77041	9.9	6.8	225	24	0.4	1.7	OK	
MA 77042	9.6	6.8	225	26	0.6	2.3	OK	
MA 77043	9.6	6.8	225	26	0.6	2.3	OK	

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Certificate No. BPBO/SCPL/6.8L/23-24/288

Date: - 29/02/2024

ACCEPTANCE CERTIFICATE
OF
SEAMLESS STEEL GAS CYLINDERS FOR

GAS	SYMBOL	CYLINDER NO.		PASSED QTY
		FROM	TO	
Carbon Dioxide	CO ₂	MA 74473	MA 74673	200 Nos.

140.0 mm O.D x 585 mm Length x 6.8 Liters W.C

Cylinder Serial No. MA 74473 to MA 74673 Inclusive

Passed Qty 200 Nos.

CONFIRMING TO SPECIFICATION: IS 7285 (Part 1):2018
(Incorporating with amendment no .02)

INSPECTED & TESTED BY

BUREAU OF INDIAN STANDARDS

MANUFACTURED BY

SHABA CYLINDER PVT. LTD.
3, INDUSTRIAL AREA, MAXI ROAD,
UJJAIN – 456010 (M.P.), INDIA

Batch No.: 16022024/28
 Order No. -----

Certificate No.: BPBO/SCPL/6.8L/23-24/288
 Date: - 29/02/2024

Purchaser: -----
 Location: -----

TECHNICAL DATA

Specifications : IS 7285 (Part 1):2018 (incorporating with amendment no. 02)
 Size : Outside Diameter 140.0 ± 1 % mm
 Nominal Length : 585 mm (approx.) (without cap and without valve)
 Minimum Wall thickness : 4.2 mm (Min)
 Drawing No. : SCPL/52 - 16
 Water Capacity : 6.8 Liters ± 10/- 0%
 Test Pressure : 225 BAR
 Working Pressure : 150 BAR at 15°C
 Nominal Tare Weight : 10.0 kg (approx.)
 Neck Threading : IS 3224: 2002 14 TPI Type 4, Size 2
 Bottom : CONCAVE
 Material : 37 Mn (Manganese Steel)
 Heat No. : J2449
 R.M.T.C No : MSL-6/QG/2004C/2023 Dt.21/12/2023
 Supplier : M/s Maharashtra Seamless Ltd., India
 Quantity Passed : 200 Nos.

Cylinder Sr. Nos.	Name of Gas	Colour/Band	Neck Thread	Size
MA 74473 To MA 74673	CO ₂	P O. Red	25.4 mm	2

METHOD OF MANUFACTURE

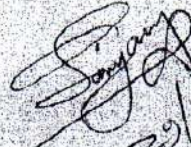
- 1) Hot Spinning
- 2) Heat Treatment: Normalizing at 850 ± 30°C for 30 min

INSPECTION

The cylinders have been inspected and tested in accordance with scheme of inspection and testing laid down under the product manual ref: PM/IS 7285 (Part 1)/2/July 2021 attached to BIS license no. CM/L- 3163346 valid up to date: 30.11.2024.

TESTS

Visual Inspection : Satisfactory
 Hydrostatic Stretch Test (T.P- 225 BAR) : Satisfactory
 Air Leakage Test (T.P- 150 BAR) : Satisfactory


 29/02/2024



संजय कुमार विश्वकर्मा / Sanjay Kumar Vishwakarma
 वैज्ञानिक - बी / सहायक निदेशक
 Scientist-B/Assistant Director
 शीशु मालक ब्यूरो भोपाल

IS:7285

PART:1
CM/L-3163346

SHABA CYLINDER PVT. LIMITED
INSPECTION REPORT

Page 3 of 3

Batch No. : 16022024/28

Certificate No. : BPBO/SCPL/6.8L/23-24/288

Date : 29/02/2024

Measurement taken on one representative cylinder of batch

Cyl. Sr.No.	Covering Serial No.	Water Capacity 6.8 ^{+10/-0} % liter	Mass Empty, 10.0 Kg (approx.)	Minimum Measured Thickness, mm		Outside Diameter 140.0 ^{+1%} (mm)
				Wall, 4.2	Base, 8.4	
MA 74587	MA 74473 to MA 74673	6.90	9.7	4.4	14.3	140.0-140.5

2. Mechanical Tests

Cyl. Sr.No.	Cast No	Tensile Test			Charpy Impact Test at Temp (-20 °C)		Bend Test
		Yield Strength 430MPa (Min)	Tensile Strength 670 MPa (Min)	Elongation 18 % (Min)	Direction-Longitudinal		
					Individual 32 J/cm ² (Min)	Average, 40 J/cm ² (Min)	
MA 74615	J2449	562.69	764.61	21.43	180.18	182.33	180 ° Without Cracking No crack observed result satisfactory
					200.89		
					165.93		

CHEMICAL PROPERTIES - EXTRACT FROM DRG (Grade: 37 MN)

Content	Min. (%)	Max. (%)	Content	Min. (%)	Max. (%)
Carbon	0.33	0.40	Nickel	-	0.20
Silicon	0.10	0.35	Copper	-	0.20
Manganese	1.35	1.65	S + P	-	0.03
Phosphorus	-	0.02	V, Nb, Ti, B, Zr, Sn	-	0.15
Sulphur	-	0.015			
Chromium	-	0.20			

The cylinder design drawing SCPL/52 – 16 dated 02/06/2022 is approved by the Chief Controller of Explosives, Govt. of India, Nagpur vide letter No G.3(42) 559/I dtd.07/11/2022.

Marking and painting are in accordance with the Gas Cylinder Rules 2016 of Govt. of India and as per drawing no. SCPL/52 – 17 dated 02/06/2022 is approved by the Chief Controller of Explosives, Govt. of India, Nagpur vide letter No G.3(42) 559/I dtd.07/11/2022.

This is to certify that the cylinders covered by this Acceptance Certificate have passed the hydraulic pressure test and all the other tests as required in 10 of IS 7285 (Part 1): 2018 (Incorporating with amendment no 02) and they are in accordance with this standard.

Remarks: MA 74615 - Used for Acceptance Test



RAMKRISHNA SAHU
MANAGER – QA/QC
SHABA CYLINDER PVT. LTD.,
UJJAIN

संजय कुमार विश्वकर्मा / Sanjay Kumar Vishwakarma
वैज्ञानिक-बी / सहायक निदेशक
Scientist-B/Assistant Director
भारतीय मानक ब्यूरो, भोपाल
Bureau of Indian Standards, Bhopal

INSPECTING OFFICER
BUREAU OF INDIAN STANDARDS,
BHOPAL BRANCH OFFICE

[Handwritten Signature]
29/02/2024

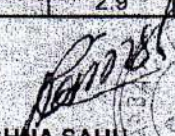
PART:1
GM/L-3163346

SHABA CYLINDER PVT. LIMITED
HYDROSTATIC STRETCH TEST RECORDS

Certificate No. : BPBO/SCPL/6.8L/23-24/ 288

Batch No. : 16022024/28

CYL. SR NO.	FINAL TARE WEIGHT (Kg)	NOMINAL VOLUMETRIC CAPACITY (Litre)	ACTUAL TEST PRESSURE (BAR)	TOTAL EXPANSION-Te (C.C.)	PERMANENT EXPANSION-Pe (C.C.)	RATIO (Pe/Te) %	Leakage Test	REMARK
MA 74632	9.5	6.8	225	26	0.6	2.3	OK	
MA 74633	9.8	6.8	225	24	0.4	1.7	OK	
MA 74634	9.6	6.8	225	22	0.2	0.9	OK	
MA 74635	9.5	6.8	225	28	0.8	2.9	OK	
MA 74636	9.3	6.8	225	26	0.6	2.3	OK	
MA 74637	9.6	6.8	225	22	0.2	0.9	OK	
MA 74638	9.4	6.8	225	26	0.6	2.3	OK	
MA 74639	9.6	6.8	225	28	0.8	2.9	OK	
MA 74640	9.9	6.8	225	24	0.4	1.7	OK	
MA 74641	9.7	6.8	225	22	0.2	0.9	OK	
MA 74642	9.6	6.8	225	26	0.6	2.3	OK	
MA 74643	9.8	6.8	225	24	0.4	1.7	OK	
MA 74644	9.6	6.8	225	22	0.2	0.9	OK	
MA 74645	9.3	6.8	225	26	0.6	2.3	OK	
MA 74646	9.6	6.8	225	24	0.4	1.7	OK	
MA 74647	9.6	6.8	225	26	0.6	2.3	OK	
MA 74648	9.4	6.8	225	22	0.2	0.9	OK	
MA 74649	9.7	6.8	225	28	0.8	2.9	OK	
MA 74650	9.7	6.8	225	24	0.4	1.7	OK	
MA 74651	9.6	6.8	225	28	0.8	2.9	OK	
MA 74652	9.7	6.8	225	26	0.6	2.3	OK	
MA 74653	9.6	6.8	225	22	0.2	0.9	OK	
MA 74654	9.5	6.8	225	28	0.8	2.9	OK	
MA 74655	9.8	6.8	225	26	0.6	2.3	OK	
MA 74656	9.7	6.8	225	22	0.2	0.9	OK	
MA 74657	9.6	6.8	225	26	0.6	2.3	OK	
MA 74658	9.7	6.8	225	24	0.4	1.7	OK	
MA 74659	9.7	6.8	225	28	0.8	2.9	OK	
MA 74660	9.6	6.8	225	26	0.6	2.3	OK	
MA 74661	9.7	6.8	225	22	0.2	0.9	OK	
MA 74662	9.5	6.8	225	26	0.6	2.3	OK	
MA 74663	9.9	6.8	225	24	0.4	1.7	OK	
MA 74664	9.8	6.8	225	22	0.2	0.9	OK	
MA 74665	9.4	6.8	225	26	0.6	2.3	OK	
MA 74666	9.5	6.8	225	24	0.4	1.7	OK	
MA 74667	9.4	6.8	225	26	0.6	2.3	OK	
MA 74668	10.0	6.8	225	22	0.2	0.9	OK	
MA 74669	9.6	6.8	225	28	0.8	2.9	OK	
MA 74670	9.7	6.8	225	24	0.4	1.7	OK	
MA 74671	9.6	6.8	225	26	0.6	2.3	OK	
MA 74672	9.5	6.8	225	22	0.2	0.9	OK	
MA 74673	9.6	6.8	225	28	0.8	2.9	OK	


 RAMKRISHNA SAHU
 MANAGER - QA/QC
 SHABA CYLINDER PVT. LTD.
 UJJAIN



PART:1
CM/L-3163346

SCPL

Certificate No. BPBO/SCPL/6.8L/23-24/228

Date: - 05/01/2024

ACCEPTANCE CERTIFICATE
OF
SEAMLESS STEEL GAS CYLINDERS FOR

GAS	SYMBOL	CYLINDER NO.		PASSED QTY
		FROM	TO	
Carbon Dioxide	CO ₂	MA 62413	MA 62613	200 Nos.

140.0 mm O.D x 585 mm Length x 6.8 Liters W.C
Cylinder Serial No. MA 62413 to MA 62613 Inclusive
Passed Qty 200 Nos.

CONFIRMING TO SPECIFICATION: IS 7285 (Part 1):2018
(Incorporating with amendment no. 02)

INSPECTED & TESTED BY

BUREAU OF INDIAN STANDARDS

MANUFACTURED BY

SHABA CYLINDER PVT. LTD.
3, INDUSTRIAL AREA, MAXI ROAD,
UJJAIN - 456010 (M.P.), INDIA

IS:7285

PART 1
CM/L-3163346

SHABA CYLINDER PVT. LIMITED
INSPECTION REPORT

Page 2 of 3

Batch No. 30122023/47
Order No. -----Certificate No. BPBO/SCPL/6.8L/23-24/228
Date - 05/01/2024Purchaser: -----
Location: -----**TECHNICAL DATA**

Specifications	IS 7285 (Part 1):2018 (incorporating with amendment no. 02)
Size	Outside Diameter 140.0 ± 1 % mm
Nominal Length	586 mm (approx.) (without cap and without valve)
Minimum Wall thickness	4.2 mm (Min)
Drawing No.	SCPL/52 - 16
Water Capacity	6.8 Liters + 10 / - 0 %
Test Pressure	225 BAR
Working Pressure	150 BAR at 15°C
Nominal Tare Weight	10.0 kg (approx.)
Neck Threading	IS 3224: 2002 14 TPI Type 4, Size 2
Bottom	CONCAVE
Material	B7 Mn (Manganese Steel)
Heat No.	J2449
R.M.T.C No	MSL-6/QC/1985A/2023 Dt.20/12/2023
Supplier	M/s Maharashtra Seamless Ltd., India
Quantity Passed	200 Nos

Cylinder Sr Nos	Name of Gas	Colour/Band	Neck Thread	Size
MA 62413 To MA 62613	CO ₂	P.O Red	25.4 mm	2

METHOD OF MANUFACTURE

- 1) Hot Spinning
- 2) Heat Treatment: Normalizing at 850 ± 30°C for 30 min

INSPECTION

The cylinders have been inspected and tested in accordance with scheme of inspection and testing laid down under the product manual ref: PM/IS 7285 (Part 1)/2/July 2021 attached to BIS license no. CM/L- 3163346 valid up to date: 30.11.2024.

TESTS

Visual Inspection	Satisfactory
Hydrostatic Stretch Test (T.P- 225 BAR)	Satisfactory
Air Leakage Test (T.P- 150 BAR)	Satisfactory



राहुल कुमार
RAHUL KUMAR
वैज्ञानिक-सी / Sr. Scientist
SCIENTIST-C Deputy Director
भारतीय मानक बोर्ड, भोपाळ
Bureau of Indian Standards, Bhopal

IS:7285

PART:1
CM/L-3163346

SHABA CYLINDER PVT. LIMITED
INSPECTION REPORT

Page 3 of 3

Batch No. 30122023/47

Certificate No. BPBO/SCPL/6 8L/23-24/228
Date: - 05/01/2024

Measurement taken on one representative cylinder of batch

Cyl. Sr No.	Covering Serial No.	Water Capacity 6.8* 10 ⁻¹ ± 0.1% liter	Mass Empty 10.0 Kg (approx.)	Minimum Measured Thickness, mm		Outside Diameter 140.0 ± 1% (mm)
				Wall, 4.2	Base, 8.4	
MA 62567	MA.62413 to MA.62613	6.95	10.4	4.5	14.6	140.0-140.5

2. Mechanical Test

Cyl. Sr.No.	Cast No	Tensile Test			Charpy Impact Test at Temp (-20 °C) Direction-Longitudinal		Bend Test 180 ° Without Cracking
		Yield Strength 430MPa (Min)	Tensile Strength 670 MPa (Min)	Elongation 18 % (Min)	Individual 32 J/cm ² (Min)	Average, 40 J/cm ² (Min)	
MA 62549	J2449	535.39	705.09	21.63	116.41 108.79 117.98	114.36	No crack observed result satisfactory

CHEMICAL PROPERTIES - EXTRACT FROM DRG (Grade: 37 MN)

Content	Min. (%)	Max. (%)	Content	Min. (%)	Max. (%)
Carbon	0.33	0.40	Nickel	-	0.20
Silicon	0.10	0.35	Copper	-	0.20
Manganese	1.35	1.65	S + P	-	0.03
Phosphorus	-	0.02	V, Nb, Ti, B, Zr, Sn	-	0.15
Sulphur	-	0.015			
Chromium	-	0.20			

The cylinder design drawing SCPL/52 - 16 dated 02/06/2022 is approved by the Chief Controller of Explosives, Govt. of India, Nagpur vide letter No G.3(42) 559/1 dtd.07/11/2022.

Marking and painting are in accordance with the Gas Cylinder Rules 2016 of Govt. of India and as per drawing no. SCPL/52 - 17 dated 02/06/2022 is approved by the Chief Controller of Explosives, Govt. of India, Nagpur vide letter No G.3(42) 559/1 dtd.07/11/2022.

This is to certify that the cylinders covered by this Acceptance Certificate have passed the hydraulic pressure test and all the other tests as required in IS 7285 (Part 1): 2018 (incorporating with amendment no 02) and they are in accordance with this standard.

Remarks: MA 62549 - Used for Acceptance Test

Ramkrishna
RAMKRISHNA SAHU
MANAGER - QA/QC
SHABA CYLINDER PVT. LTD.,
UJJAIN



Rahul
5/1/2024
राहुल कुमार
RAHUL KUMAR
SCIENTIST C / Deputy Director
भारतीय मानक ब्यूरो, भोपाल
INSPECTING OFFICER
BUREAU OF INDIAN STANDARDS,
BHOPAL BRANCH OFFICE

IS: 7285


PART: 1
CM/L 3163346

SHABA CYLINDER PVT. LIMITED
HYDROSTATIC STRETCH TEST RECORDS

Certificate No. : BPBO/SCPL/6.8L/23-24/228

Batch No. : 30122023/47

CYL. SR.NO.	FINAL TARE WEIGHT (Kg)	NOMINAL VOLUMETRIC CAPACITY (Litres)	ACTUAL TEST PRESSURE (BAR)	TOTAL EXPANSION- T_e (C.C.)	PERMANENT EXPANSION- P_e (C.C.)	RATIO (P_e/T_e) %	Leakage Test	REMARK
MA 62572	10.3	6.8	225	26	0.6	2.3	OK	
MA 62573	10.1	6.8	225	28	0.8	2.9	OK	
MA 62574	10.3	6.8	225	22	0.2	0.9	OK	
MA 62575	10.2	6.8	225	26	0.6	2.3	OK	
MA 62576	10.3	6.8	225	28	0.8	2.9	OK	
MA 62577	10.1	6.8	225	28	0.8	2.9	OK	
MA 62578	10.3	6.8	225	26	0.6	2.3	OK	
MA 62579	10.4	6.8	225	22	0.2	0.9	OK	
MA 62580	10.3	6.8	225	28	0.8	2.9	OK	
MA 62581	10.2	6.8	225	28	0.8	2.9	OK	
MA 62582	10.2	6.8	225	22	0.2	0.9	OK	
MA 62583	10.1	6.8	225	28	0.8	2.9	OK	
MA 62584	10.3	6.8	225	26	0.6	2.3	OK	
MA 62585	10.2	6.8	225	24	0.4	1.7	OK	
MA 62586	10.2	6.8	225	28	0.8	2.9	OK	
MA 62587	10.3	6.8	225	26	0.6	2.3	OK	
MA 62588	10.3	6.8	225	28	0.8	2.9	OK	
MA 62589	10.3	6.8	225	22	0.2	0.9	OK	
MA 62590	10.2	6.8	225	26	0.6	2.3	OK	
MA 62591	10.2	6.8	225	28	0.8	2.9	OK	
MA 62592	10.2	6.8	225	24	0.4	1.7	OK	
MA 62593	10.3	6.8	225	28	0.8	2.9	OK	
MA 62594	10.2	6.8	225	26	0.6	2.3	OK	
MA 62595	10.2	6.8	225	26	0.6	2.3	OK	
MA 62596	10.2	6.8	225	22	0.2	0.9	OK	
MA 62597	10.3	6.8	225	22	0.2	0.9	OK	
MA 62598	10.1	6.8	225	24	0.4	1.7	OK	
MA 62599	10.2	6.8	225	24	0.4	1.7	OK	
MA 62600	10.1	6.8	225	28	0.8	2.9	OK	
MA 62601	10.2	6.8	225	22	0.2	0.9	OK	
MA 62602	10.1	6.8	225	24	0.4	1.7	OK	
MA 62603	10.2	6.8	225	22	0.2	0.9	OK	
MA 62604	10.1	6.8	225	28	0.8	2.9	OK	
MA 62605	10.1	6.8	225	24	0.4	1.7	OK	
MA 62606	10.2	6.8	225	26	0.6	2.3	OK	
MA 62607	10.2	6.8	225	22	0.2	0.9	OK	
MA 62608	10.1	6.8	225	28	0.8	2.9	OK	
MA 62609	10.9	6.8	225	28	0.8	2.9	OK	
MA 62610	10.1	6.8	225	22	0.2	0.9	OK	
MA 62611	10.2	6.8	225	26	0.6	2.3	OK	
MA 62612	10.1	6.8	225	28	0.8	2.9	OK	
MA 62613	10.2	6.8	225	24	0.4	1.7	OK	


 RAMKRISHNA SAHU
 MANAGER - QA/QC
 SHABA CYLINDER PVT. LTD.,
 UJJAIN

Test Certificate

1	TC. NO & DATE	SFS-62 18-APR-2024
2	CUSTOMER	JAGIT INIDA PVT LTD.
3	PO. NO & DATE	ON MAIL
4	INVOICE NO. & DATE	62 18-APR-2024

SR, NO	ITEM DISCRIPTION	SIZE			TEMP.	GRADE	QTY (PCS.)
1	GLASS FIBER CLOTH	THICK 0.69mm	WIDTH(M) 01.00	LENGTH(M) 02.00	° C 650	MILKY WHITE	100

BATCH NO: SHREEFIREPACKSAFETY/ABD/SF01 SAFELIFE/ 15-APR-2024

R.NO	PROPERTIES	FIBERGLASS CLOTH	
1	CLASSIFICATION TEMP.	650	
		SPECIFICATION	RESULTS
2	LOSS OF IGNITION % @700C FOR 90 MIN	10	7.64
3		BASE FIBER OF YARN	
	PROCESS	YARN	VARNISHED FIBER MIXED IN PROPER ADDITIVE INCLUSIVE
	PHYSICAL COMPOSITION (100% ASBESTOS FREE)	MOISTURE CARRIER GLASS FIBER BULK SILANE FIBER	0.5-0.8% 0.4-1.8% 86-90% 10-11%
	Fiber Dia Density Linear shrinkage(128kg/m) @ Mean Temperature 500°C Thermal Conductivity WARP-117kgf WEFT -36kgf WEAVE-PLAIN	2-3microns 550-650kg/m3 0.15 3-5% on 300°C (24 hours)	CONFIRM TO EN 1869:1997 MAKE: SAFELIFE TYPE: SF01

The above values are subject to normal variation on individual testing.





WAIT FOR GIDE

CAVABEYAN