

# QUALITY CERTIFICATION

<b>HOSE:</b> HYDRAULIC HOSE EN 856 4SH 2" <b>NORM:</b> DIN 20023 4SH <b>FIRM:</b> <b>ORDER NO.:</b>	<b>CODE:</b> <b>REPORT NO.:</b> 2024T0927012 <b>DATE OF TEST:</b> 2024/09/26 <b>DATE OF REPORT:</b> 2024/09/27
--	---

TEST NMAE	SPECIFICATION	RESULT			METHOD
		NO:1	NO:2	NO:3	
<b>1.0 DIMENSION CONTROL</b>					EN 24671
1.1 Inside Diameter, mm	50.8-51.3	50.8	50.9	51	
1.2 Outside Diameter, mm	67.6-68	68	67.9	68	
1.3 Concentricity (internal-outside/diameter)	MAX:0.8	0.8	0.6	0.5	
1.4 Cover wall thickness mm	0.8-2.5	OK	OK	OK	
1.5 Inner compound	NBR	OK	OK	OK	
1.6 Inner compound code	1201	OK	OK	OK	
1.7 Cover compound	CR/NBR	OK	OK	OK	
1.8 Cover compound code	2106	OK	OK	OK	
<b>2.0 HYDROSTATIC TEST</b>					EN ISO 1402
2.1 Working Pressure, kgf/cm <sup>2</sup>	250	OK	OK	OK	
2.2 Change Elongation at W.P. %	+2/-4	0.6	0.7	0.5	
2.3 Proof Pressure, kgf/cm <sup>2</sup>	500	OK	OK	OK	
2.4 Burst Pressure, kgf/cm <sup>2</sup>	MIN:1000	1325	1410	1390	
2.5 Minimum Bend Radius, (180mm) %	MAX:1.0	OK	OK	OK	
2.6 Working temp. MAX (-40°C/+100°C)		OK	OK	OK	
<b>3.0 COLD FLEXIBILITY</b>					EN 24672/B
3.1(-40°C/24h) (TUBE)	No Crack	Not Cracked	Not Cracked	Not Cracked	
3.2(-40°C/24h) (COVER)	No Crack	Not Cracked	Not Cracked	Not Cracked	
<b>4.0 ADHESIVE</b>					EN 28033
4.1 Liner-Reinforcement, kgf/cm	MIN:2.5	No Separate	No Separate	No Separate	
4.2 Reinforcement - Cover, kgf/cm	MIN:2.5	No Separate	No Separate	No Separate	
<b>5.0 FIULD RESISTANCE</b>					ISO 1817
<b>5.1 ASTM NO:3 (CHANGE IN VOLUME)</b>					
5.1.1(100°C.72h) (TUBE) %	0/100	8.25	8.25	8.25	
5.1.2(100°C.72h) (COVER) %	0/100	38.67	38.67	38.67	
6.0 LEAKAGE TEST kgf/cm <sup>2</sup>	525	OK	OK	OK	EN ISO 1402
7.0 OZONE RESITANCE (COVER) (40C/50 pphm O3/72h/%20 Elon./ 2X	Rating:0	Rating:0	Rating:0	Rating:0	EN 27326/1-2
8.0 VACUUM bar	MAX:-0.8	OK	OK	OK	
9.0 IMPULSE TEST Cycles	MIN:400.000	OK	OK	OK	ISO 6803

INSPECTOR:  
SIGNATURE:

APPROVED:  
SIGNATURE