



PRODUCT SPECIFICATION

SPECIFICATION

Product Name: **HIDROMOL M46**

PRIMARY TESTS	METHOD	SPECIFICATION		
		MIN	TYP	MAX
Appearance	Visual	Clear and Bright		
Colour	ASTM D1500 / TS 1713 ISO 2049	0.5	1	3
Density 15 °C, g/ml	ASTM D4052 / TS EN ISO 12185	0.850	0.880	0.890
Viscosity 40 °C, mm ² /s	ASTM D445 / TS EN ISO 3104	41.4	46	50.6
Water Separation 54 °C, minute	ASTM D1401 / TS 6122 ISO 6614			30
Foaming Characteristic (I, II, III Kd.) ml/ml	ASTM D892 / TS 1834 ISO 6247	(150/10, 80/10, 150/10)		

SECONDARY TESTS	METHOD	SPECIFICATION		
Pour Point, °C	ASTM D97 / TS EN ISO 3016			-21
Flash Point, °C (COC)	ASTM D92 / TS EN ISO 2592	212		
Viscosity 100 °C, mm ² /s	ASTM D445 / TS EN ISO 3104	6.1	6.9	
Viscosity Index	ASTM D2270 / TS ISO 2909		101 typ	
Rust Test				
- Process A	ASTM D665 / TS 6830 ISO 7120		Pass	
- Process B	ASTM D665 / TS 6830 ISO 7120		Pass	
Copper Corrosion (100 °C, 3 hours)	ASTM D130 / TS 2741 EN ISO 2160			2
Water Content %m/m	ASTM D6304 / TS 6147 EN ISO 12937			0.025
Acid Number, mgKOH/g	ASTM D664 / TS 2432 EN 12634			1
Determination of Air, 50 °C, min.	ASTM D3427 / TS 5768 ISO 9120			10

PERFORMANCE LEVELS: DIN 51524 PART II, DENISON HF0, HF1, HF2 Cincinnati Machine P 68, P 69, P 70, Eaton Vickers M 2950-S / I-286-S

Document Code	Revision No/Date	Page No	Prepared	Checked	Approved
KG-ÜS-018	15/17.03.2025	1/1	FACTORY HSEQ & LAB. MANAGER	MANAGEMENT REPRESENTATIVE	FACTORY MANAGER

* As the defined values are typical values, there can be some little changes according to the production. M Oil keeps all the rights to update and change the formulations of products without making any announcements. For the updated informations and technical data about the products and product packagings, please contact with M Oil.