

**INFORMATIVE SPECIFICATION**

**PROPILENGLICOL (MPG) GRADO USP/EP**

PROPERTIES	UNIT	TEST METHOD	VALUES
Purity	% wght	MA083040	99.80 - 100.00
DPG content	% wght	MA083040	0.000 - 0.100
Specific weight (25°C/25°C)		MA083034	1.035 - 1.037
Distillation initial point	°C	MA083036	186.0 - 189.0
Distillation final point	°C	MA083036	186.0 - 189.0
Acid value	ppm	MA083033	0 - 20
Ashes	ppm	MA083039	0 - 50
Suspended material		MA003011	Exempt
Water content	% wght	MA083037	0.000 - 0.100
Odour		MA083032	Characteristic
Refractive index 25°C	UN	MA083035	1.431 - 1.433
Pt-Co colour	Pt-Co	MA083038	0 - 5
Appearance		MA003011	Clear, colourless liquid

**OBSERVATIONS: The following parameters are product's characteristics and are inspected periodically.**

Chlorides	ppm	MA083005	0.0 - 1.0
Iron	ppm	MA083006	0.00 - 0.50
Arsenic	ppm	MA083011	0.0 - 1.0
Heavy metals	ppm	MA083012	0.0 - 5.0
Sulphates	ppm	MA083013	0 - 60
Oxidizing substances		MA083035	O.K.
Organic volatile impurities		MA083026	VOCS

Repsol Química reserves the right to modify the values of the parameters that appear in the above document without prior notification.

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PROPERTIES	UNIT	TEST METHOD	VALUES
Reducing substances		MA083028	O.K.
IR Spectrum		MA003016	Pass
Melting point of nitrobenzoate	°C	MA083029	123 - 128
EG and DEG content	%	MA083031	0.0 - 0.1
Lead content	ppm	MA083041	0 - 1
EP Acidity	ml	MA083033	0.00 - 0.05
MPG USP Acidity	ml	MA083033	0.0 - 0.2
Relative density 20/ 20°C		MA083034	1.035 - 1.040
Residue of Ignition - USP	mg	MA083039	0.0 - 3.5
Residue of Ignition - FCC	% wght	MA083039	0.000 - 0.007
Sulphated Ashes	mg	MA083039	0 - 5

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