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CERTIFICATE OF ANALYSIS

PRODUCT NAME & SKU: Mono Propylene Glycol TSK-LIQ014

REPSOL QUIMICA, S.A certifies that the product supplied to the customer, in accordance with data from Purchase Order N° 25190632, shows the following analytical values, and is in compliance with the order

Document number : 831427
Product : PG (MPG) USP/EP
Description : PROPYLENE GLYCOL USP/EP GRADE
Batch : 02062420
Customer : KILO LTD
Loading Tank : F-4320
Loading Date : 03.06.2024
Truck Reg. Number : R8358BCS
Manufact. Date : 02.06.2024 Expiry date: 02.06.2025
Manufact. Site : REPSOL QUÍMICA TARRAGONA
Manufact. Address : Avinguda de la Química s/n 43140 La Pobla de

PROPERTY	VALUE	SPECIFICATION	UNIT	METHOD
Purity	99.92	99.80-100.00	% wght	MA083040
Acid value	13	0-20	ppm	MA083033
Suspended material	Exempt			MA003011
DPG content	0.038	0.000-0.100	% wght	MA083040
Water content	0.006	0.000-0.100	% wght	MA083037
Specific weight (25°C/2	1.036	1.035-1.037		MA083034
*Iron	Compliance	0,00-0,50	ppm	MA083006
Ashes	8	0-50	ppm	MA083039
*Chlorides	Compliance	0,0-1,0	ppm	MA083005
*Arsenic	Compliance	0,0-1,0	ppm	MA083011
*Heavy metals	Compliance	0,0-5,0	ppm	MA083012
*Sulphates	Compliance	0-60	ppm	MA083013

"We certify that our PG (MPG) USP/EP complies with the USP (United States Pharmacopeia) and the EP (European Pharmacopeia)."

#PG (MPG) USP/EP is registered as E-1520 as food additive##Manufacturer's registration number of feed materials: ESP43501828#
GMP+ FGA assured.

* Parameter controlled annually

"Expiry period for glycols is one year from the date expressed in this certificate, assuming the product is stored between 15 and 30 °C, and avoiding oxygen atmosphere and humidity".

Testing was conducted in compliance with the IPBC Joint to Good Manufacturing Practices Guide for Pharmaceutical Excipients.

QUALITY CONTROL DEPARTMENT

Certificate issued by computer. Authorized & valid without signature.

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PROPERTY	VALUE	SPECIFICATION	UNIT	METHOD
Pt-Co colour	1	0-5	Pt-Co	MA083038
Refractive index at 20°	1.433	1.431-1.433	UN	MA003012
*Oxidizing substances	Compliance			MA083028
*Reducing substances	Compliance			MA083028
*Organic volatile impuri	Compliance			MA083026
*IR Spectrum	Compliance			MA003016
Distillation range	187.3	186.0-189.0	°C	MA083036
Appearance	Clear, colourless liquid			MA003011
Odour	Characteristic			MA083032
*M.point Nitrobenzoate	Compliance	123-128	°C	MA083029
*Ethylene and Diethylene	Compliance	0,0-0,1	%	MA083031
*Lead content	Compliance	0-1	ppm	MA083041

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PROPERTY	VALUE	SPECIFICATION	UNIT	METHOD
*EP Acidity	Compliance	0,00-0,05	ml	MA083033
*MPG USP Acidity	Compliance	0,0-0,2	ml	MA083033
*Relative density 20/ 20	Compliance	1,035-1,040		MA083034
*Residue of Ignition - U	Compliance	0,0-3,5	mg	MA083039
*Residue of Ignition - F	Compliance	0,000-0,007	% wght	MA083039
*Sulphated Ashes	Compliance	0-5	mg	MA083039

TARRAGONA, 03 June 2024