

**Dipropylene glycol (DPG)****CERTIFICATE OF ANALYSIS****No: 010000360152/07/2023****PRODUCT NAME :** Dipropylene glycol (DPG)**SUPPLIER LOT NO:** 1099718**SPECIFICATION NO:** ST-IXO 017-1/97**MANUFACTURER'S LOT NO:** RB23031401**COUNTRY OF ORIGIN:** NL**DATE OF MANUFACTURE:** 14-03-2023**DATE OF EXPIRY:** 13-03-2025

Parameter	Unit	Specification	Result
Color on the scale of Pt-Co	[ Hazen ]	max 10	3
Purity	[ %(m/m) ]	min 99,50	99,71
Relative density (20/20°C)	-	1,019 - 1,025	Pass test
End of distillation at 760 mm Hg	[ °C ]	max 236	Pass test
Acidity as acetic acid	[ %(m/m) ]	max 0,01	Pass test
Onset of boiling at 760 mm Hg	[ °C ]	min 220	Pass test
Refractive index at 25°C	-	1,4385 - 1,4400	Pass test
Chloride content	[ %(m/m) ]	max 0,001	Pass test
Water content	[ %(m/m) ]	Typical 0,2	Pass test
Iron content	[ %(m/m) ]	max 0,0001	max 0,000010

NOTE: This product may not be used as a food/feed/pharmaceutical additive. It is the customer's responsibility to use the product for these applications.

The "typical" parameter is not a technical specification and cannot be the basis for a complaint.

We certify that the product meets the requirements set out in the above-mentioned specification.

The certificate was made on the basis of the supplier's certificate. The data contained in this certificate were prepared on the basis of certificates and quality standards of suppliers or manufacturers and on the basis of tests in the factory laboratory.

Prepared by

M.Sc. Łukasz S. Ujma

An electronic document does not require a seal or signature.