



武汉福鑫化工有限公司

Wuhan Fortuna Chemical Co.,Ltd

地址：武汉市新华路129号东一时区A座2705室

Address: A2705,Dong Yi Shi Qu,129# XinHua Road,Wuhan,430022,China

Tel: +86-27-85767163, 59207850 Fax: +86-27-59524646 Zip code:430022

Website: www.fortunachem.com E-mail: sales@fortunachem.com info@fortunachem.com

CERTIFICATE OF ANALYSIS

Product name:Poloxamer188

Lot No.:20240501

Mfg. date:May.31, 2024

Quantity:4660KG

Exp. date:May.30, 2026

Items	Specifications	Results
Character	This product is white translucent waxy solid with slightly taste. This product is soluble in water ,ethanol ethyl alcohol and ethyl acetate, almost insoluble in diethyl ether and petroleum ether.	Conforms
Identification	Infrared absorption spectrum should be the same with reference	Conforms
Acidity and alkalinity	5.0-7.5	7.0
Polyoxyethylene	79.9%-83.7%	82.3%
Degree of unsaturation	≤ 0.034 mmol/g	0.018mmol/g
Average molecular weight	7680-9510	8053
Ethylene oxide and Dioxane	ethylene oxide ≤ 1 PPM Dioxane ≤ 5 PPM	Conforms Conforms
Glycol and diglycol	Glycol $\leq 0.01\%$ Diglycol $\leq 0.01\%$	Conforms Conforms
Epoxy propane	≤ 5 PPM	Conforms
Propylene glycol	≤ 5 ppm	Conforms
Water determination	$\leq 1.0\%$	Conforms
Residue ignition	$\leq 0.4\%$	0.08%
Heavy metals method	≤ 20 ppm	Conforms
Arsenic salt	≤ 2 ppm	Conforms
Conclusion	The product conforms to the standard of CP2015.	

QC:

Tester:

Re-tester: