

Certificate of Analysis

Polyethylene glycol 8000

BP, Ph. Eur., USP/NF grade

Product Number	PSR45971	CAS No.	25322-68-3
Brand	PureSynth	Lot No.	P45971GL0625
Molecular Formula	-	Date of Mfg.	June,2025
Molecular Weight	-	Date of Exp.	May,2028

Test	Specification	Result
Appearance	White or almost white solid	White solid
pH (5% in H ₂ O)	4.5 - 7.0	5.2
Acidity	NMT 0.015 %	Conforms
Alkalinity	NMT 0.1ml	Conforms
Dynamic Viscosity	260 - 510 mPa.s	Conforms
Kinematic Viscosity	240 - 472 mm ² /s	Conforms
Molecular Weight	7000 - 9000	8417
Hydroxyl Value	12.5 - 16.0 mgKOH/g	13.3 mgKOH/g
Sulfated Ash	NMT 0.1 %	0.1 %
Formaldehyde	To pass test	Conforms
Ethylene Glycol and Diethylene Glycol	NMT 0.2 %	Conforms
Ethylene Oxide	NMT 1.0 ppm	Nil
1,4-Dioxane	NMT 5.0 ppm	Nil
Organic Volatile Impurities	To pass test	Conforms
Water	NMT 1.0 %	0.1 %
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP/NF	Conforms

Remark:

This is to certify that the mentioned batch has analyzed at the time of quality release and has been found to be compliance with prescribed specification.

Store at room temperature and keep the container tightly closed.

Head - Technical

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