





ELTON Corporation d.o.o. 2022-10-13 Certificate No 3840

Page 1 of 4 Sanje Zivanovica 28 D

Hr. Dr. Florian Wildschek
11000 Beograd ENT/QA

florian.wildschek@basf.com SRBIJA

Inspection Certificate 3.1 according to EN 10204

1,2-PROPYLENE GLYCOL USP

Material 52705412

Order 3018991556 000010
220KG Plastic drums Delivery 3196487479 000010

Purchase order/Customer material Lot 97765516K0

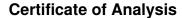
Lot/Qty 10560.000 KG

Total 10560.000 KG

Transport AM576NS

Test Parameter	Requirements	UoM	Results
Distilling range	must conform (99% dest.at 185-189 C)		conforms
Appearance	clear and colorless liquid		conforms
Identification A (USP-NF, IR)	must conform		conforms
Assay 1,2 Propylene glycol (GC)	Min.: 99.8	g/100g	>99.9
Relative density d(20/20)	Min.: 1.035 Max.: 1.040		1.038
Relative density d(25/25)	Min.: 1.035 Max.: 1.037		1.036
Refractive Index n(20/D)	Min.: 1.431 Max.: 1.433		1.433
Acidity	must conform (max. 0.019 mg KOH/ml)		conforms
Water (Karl Fischer-Titration)	Max.: 0.2	g/100g	<0.1
Sulfated Ash / Residue on ignition	Max.: 70	mg/kg	<10

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.







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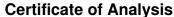
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Test Parameter	Requirements	UoM	Results
Chloride	Max.: 70	mg/kg	<1
Sulfate	Max.: 60	mg/kg	<1
Lead *	must conform (max.1mg/kg)		conforms
Oxidizing substances	must conform		conforms
Reducing substances	must conform		conforms
Sum of unspecified impurities	Max.: 0.1	g/100g	<0.1
1, 3-Propanediol (CGC)	Max.: 100	mg/kg	<50
Organic chlorine compounds as Cl	Max.: 1	mg/kg	<1
Colour (Hazen)	Max.: 10		<5
Arsenic *	must conform (max.2mg/kg)		conforms
Heavy metals *	must conform (max.5mg/kg)		conforms
Residual solvents **	must comply with the requirements of PhEur 5.4, USP <467> and ICH Q3C		conforms

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Lot 97765516K0 Purchase order/Customer material Lot/Qty 10560.000 KG 306/2022 Total 10560.000 KG

Transport AM576NS

Test Parameter Requirements UoM Results Identification: Ethylene must conform conforms

glycol *

Identification: Diethylene conforms must conform

glycol *

* Test is verified on random samples only.

**Not tested, since no organic solvents are likely to be present.

The product meets the specifications of following monographs:

"Propylene Glycol" of USP-NF2022, Issue 1

"Propylenglycole" of European Pharmacopoeia 10th edition

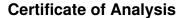
Manufacturer: BASF SE

Carl-Bosch-Str.38 67056 Ludwigshafen

Germany

QC-Reference-No. 22C09358

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Delivery 3196487479 000010

Transport AM576NS

Production date (YYYY-MM-DD) 2022-07-19

Release date (YYYY-MM-DD) 2022-07-22

Best before (YYYY-MM-DD) 2024-07-18

BASF SE

Quality Assurance - Release

sig. Fr. Surdmann QA-Representative

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