



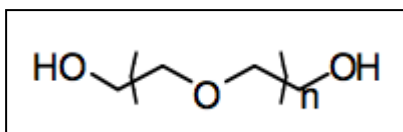
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PEG 6000 PH

SALES SPECIFICATION

Inspection Characteristic	Units	Lower	Upper	Method
Average molecular weight		5400	6600	1BAL01
Hydroxyl number	mg KOH/g	17,0	20,8	1BAL01
Clarity at 80°C	Free from haze and turbidity			1BAL02
Water solubility (25% aqueous)	Free from haze and turbidity			1BAL03
Suspended matter	Substantially free			1BAL04
Colour (25% aqueous)	PtCo		25	1BAL05
pH (5% aqueous)		4,5	7,0	1BAL06
Sulphated ash	% wt		0,1	1BAL10
Water	% wt		0,5	1BAL08
Residual ethylene oxide	ppm		1	1BAL09
Dioxane	ppm		5	1BAL09

The product also meets the following which whilst not determined on a routine basis is guaranteed by process control.				
Acidity (as acetic acid)	% wt		0,0150	1BAL11
Monoethylene glycol	% wt		0,062	1BAL12
Diethylene glycol	% wt		0,10	1BAL12
Heavy Metals	ppm		5	1BAL14
Reducing Impurities	Pass test			1BAL40
Formaldehyde	ppm		15	1BAL44
Viscosity at 20°C(50% aqueous)	mm ² /s	185	250	1BAL16
Viscosity at 99°C	mm ² /s	250	390	1BAL16
Freezing range	°C	55	61	1BAL49
Antioxidant BHT (E321)	ppm	30	60	1BAL35
Expiry date	Years		4	1BAL50
Food chemicals codex	Conform			
European pharmacopeia	Conform			
USP/NF pharmacopeia	Conform			
EEC and ICH guidelines	Conform			

**POLYGLYCOL 6000**

INCI: PEG-150

N°CAS: 25322-68-3

N° EINECS/ELINCS: 500-038-2

DESCRIPTION / DESCRIPTION:

Le polyglycol 6000 est un mélange de polymères provenant de l'oxyde d'éthylène, de formule générale $H-(OCH_2-CH_2)_n-OH$. Sa masse moléculaire moyenne est égale à 6000 environ (correspondant à la valeur nominale n) / *Polyglycol 6000 is a mixture of polymers derived from ethylene oxide, of general formula $H-(OCH_2-CH_2)_n-OH$. Its average molecular weight is about 6000 (corresponding to the nominal value n)*

Matière première conforme à la Pharmacopée Européenne en vigueur (monographie: MACROGOLS type 6000) / *Raw material conforming to the European Pharmacopoeia in force (monography MACROGOLS type 6000)*

CARACTERISTIQUES GARANTIES / GUARANTEED SPECIFICATIONS:

CARACTERISTIQUES	SPECIFICATIONS	METHODES / METHODS
Aspect à 20°C / <i>aspect at 20°C</i>	Ecailles blanches / <i>White scales</i>	Visuel / <i>visual</i>
Couleur (25% en solution aqueuse) / <i>color (25% in aqueous solution)</i>	≤ 25 PtCo	HAZEN
Poids moléculaire moyen / <i>average molecular weight</i>	5400 – 6600 g.mol ⁻¹	1BAL01
Viscosité à 20°C (sol.aqueuse à 50%) / <i>viscosity at 20°C (50% in aq.solution)</i>	185 – 250 mm ² .s ⁻¹	1BAL16
pH (solution aqueuse à 5 %) / <i>pH (5% aqueous solution)</i>	4.5 – 7	1BAL06
Cendres sulfuriques / <i>sulfuric ashes</i>	≤ 0.1 %	1BAL10
Teneur en eau / <i>water content</i>	≤ 0.5 %	1BAL08
Acidité (en acide acétique) / <i>acidity (as acetic acid)</i>	≤ 0.015 %	1BAL11
Teneur en MEG + DEG / <i>MEG + DEG content</i>	≤ 0.2 %	1BAL12
Teneur en oxyde d'éthylène / <i>oxide ethylene content</i>	≤ 1 ppm	1BAL09
Teneur en dioxane / <i>dioxane content</i>	≤ 5 ppm	1BAL09
Teneur en métaux lourds (comme Pb) / <i>heavy metals content (as Pb)</i>	≤ 5 ppm	1BAL14
Teneur en formaldéhyde / <i>formaldehyde content</i>	≤ 15 ppm	1BAL44
Indice d'hydroxyle / <i>hydroxyl content</i>	17 – 21 mg KOH /g	1BAL01

Ces éléments seront repris sur nos BA / *these elements will be on our CoA*

CARACTERISTIQUES A TITRE D'INFORMATION / ADDITIONAL INFORMATION:

Matière en suspension: substantiellement libre / *Suspended matter: substantially free*

Solubilité dans l'eau (25% aqueux): exempté de brume et de turbidité / *Water solubility (25% aqueous): free from haze and turbidity*

Impuretés réduites: test passé / *reducing impurities: pass test*

Viscosité à 99°C / *Viscosity at 99°C*: 250 – 390mm².s⁻¹ (1BAL16)

Point de congélation / *Freezing range*: 55 – 61°C (1BAL49)



POLYGLYCOL 6000

Antioxydant BHT (E321) / *Antioxidant BHT (E321)*: 30 – 60 ppm
 Pharmacopée USP/NF: conforme / *USP/NF pharmacopoeia: conform*
 Directives EEC et ICH: conforme / *EEC and ICH guidelines: conform*
 Aliments chimiques codex : conforme / *Food chemicals codex: conform*

APPLICATIONS:

Produits pharmaceutiques, cosmétiques, textile, plastiques et résines, industrie du papier, imprimerie, industrie du métal, produits chimiques intermédiaires / *Pharmaceuticals, cosmetics, textile, industry, plastics ans resins, paper industry, printing, metal industry, chemical intermediates*

CONDITIONNEMENT STANDARD / STANDARD PACKAGING:

Ecailles en sac de 25 kg / *Scales in 25 kg bag*
 Matière première non classifiée comme substance dangereuse / *Raw material not classified as dangerous substance*
 A conserver au sec dans un emballage hermétiquement fermé / *Keep in a dry place in a tightly closed container*

Additives	It is reasonable to assume that the following impurities: sulphur compounds, residual propylene oxide and ethylene oxide, mycotoxin, acrylic compounds and derivates, aromatics compounds and derivates – polycyclic aromatic compounds, bacteriologic or enzymatic compounds, carboxylic acids, fipronil, halogenated compounds, inorganic and organic, mineral oil derivates (MOSH and MOAH), nitrogen compounds inorganic and organic, paraffin wax, radioactive compounds are not present in the product
Allergen	The products listed as allergenic are not present in this product according to regulation No 1223/2009 on cosmetic products (and amendments), regulation No 1169/2011 on the provision of food information to consumers (and amendments), ALBA list, version August 2001, page 10 from 13, §26 of allergenic components
Animal Testing	No animal testing for cosmetic purposes (regulation No1223/2009/EC) has been performed on the product. Animal testing will only be performed for REACH purposes
BSE - Bovine Spongiform Encephalopathy	This product is free from BSE
California Prop 65	This product is not listed under Proposition 65 State Drinking Water and Toxic Enforcement act but following contaminants or by-products are known to the State of California to cause cancer or reproductive toxicity: Ethylene oxide (CAS:75-21-8-) < 1ppm, 1,4-dioxane (CAS:123-91-1) < 5 ppm, monoethylene glycol (CAS:107-21-1) < 0.2 %, formaldehyde (CAS:50-00-0) < 15 ppm, acetaldehyde (CAS:75-07-0) < 100ppm
Carcinogenic, Mutagenic and Reprotoxic (CMR)	This product is not tested on a routine basis for the impurities listed as CMR for reproduction under European regulation 1272/2008/EC, it is reasonable to assume that only following impurities are likely to be present: dioxane < 5 ppm, ethylene oxide < 1 ppm, formaldehyde < 15 ppm
Composition	(CAS:25322-68-3): polyethylene glycol > 99.5 % + (CAS:75-21-8): ethylene oxide < 1mg/kg + (CAS:107-21-1): monoethylene glycol < 620 mg/kg + (CAS:111-46-6): diethylene glycol < 0.15% + (CAS:72-17-3): sodium lactate 0.15% + (CAS:123-91-1): dioxane < 5 mg/kg + (CAS:128-37-0): BHT < 100mg/kg
Cosmetic	This product is compliant with cosmetic regulation (EC) No 1223/2009
Cosmos / Ecocert	This product is synthetic – not accepted by Cosmos




Dossier technique et réglementaire / *technical and regularoty document*

Février 2026 /
February 2026

POLYGLYCOL 6000

Danger	This product is not classified as dangerous according to CLP and ADR
Dioxane	Dioxane is likely to be present at concentration < 5 ppm and dioxin are not present in this product
Ecolabel	<i>No data available</i>
European Pharmacopeia	This product is compliant with the current European Pharmacopeia 9.0 (Ph. Eur, 9 th edition, United States Pharmacopoeia 40 – National Formulary 35 (USP 40 – NF 35) and Food Chemicals Codex, FCC 9 (9 th edition, 2014)
Food	This product is cleared as food additive as E1521 following the European Regulation 1333/2008, amended by regulation (EC) No 1129/2011 establishing a Union list of food additives. This product do not comply with Commission Regulation (EU) No 231/2012 laying down specifications for food additives listed in annex II and III of regulation (EC) No 1333/2008, since the residual amount of ethylene oxide on the specifications is 1 ppm, which is higher than the 0.2 ppm required
Genetically Modified Organisms (GMO)	This product is free from GMO
Inventories	Compliant with China IECSC, USA TSCA (UVCB; XU), New Zealand NZIoC, Korea KECl and ECL (KE-20228), Philippines PICCS, Australia AICS, Canada DSL, Taiwan CSNN, Japan ENCS/MITI (7-129)
Geographic origin (for plant)	Not concerned
Glycol ether	<i>No data available</i>
Halal	This product do not have a formal Halal certification, but meet the basic requirements of Halal (no material of animal origin or biological origin are used)
Heavy Metals	Heavy metals including catalyst residues: Aluminium (Al), Arsenic (As), Barium (Ba), Berillium (Be), Boron (B), Cadmium (Cd), Calcium (Ca), Cobalt (Co), Chromium (Cr), Copper (Cu), Iron (Fe), Lead (Pb), Manganese (Mn), Mercury (Hg), Molybdenum (Mo), Nickel (Ni), Selenium (Se), Silver (Ag), Tin (Sn), Titanium (Ti), Vanadium (V), Zinc (Zn) are not present in the product, if present the limit is ≤ 5 ppm
HS code	34042000
Irradiation / ionization	This product has not been treated with / has not been exposed to ionizing radiation of any type (including radioactive radiation)
Kosher	This product is Kosher and Parev certified
Latex	Latex is not present in this product
Manufacturing location	Belgium / Germany
Microbiological data	This product doesn't contain yeast, enzyme and bacteria
Nanomaterials	This product doesn't contain nanomaterials (nanoparticles, substances at nanoscale)
Nutritional data	<i>No data available</i>
Origin	Petrochemical and synthetic
Pesticide	<i>No data available</i>
Phthalate	<i>No data available</i>
Preservative	This product contain BHT (< 100mg/kg)
Process	This product is manufactured by reaction of diethylene glycol and ethylene oxide
REACH	This product is a polymer – exempted from REACH (the monomers are registered)
Residual Solvents	No Class 1 solvents are used in the manufacturing process and are not likely to be present, solvents of Class 2 that are likely to be present are ethylene glycol < 620 mg/kg; 1,4 dioxane, solvents of Class 3 that are likely to be present are acetic acid < 0.015 %wt, no Class 4 solvents are used in the manufacturing process and are not likely to be present in the final product according to EMA/CHMP/ICH/82260/2006 (March 2011) guideline for residual solvents
RSPO	This product doesn't contain palm derivates – not concerned

	Dossier technique et réglementaire / <i>technical and regularoty document</i> POLYGLYCOL 6000	Février 2026 / <i>February 2026</i>
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Shelf Life before re-check	4 years
Substances of Very High Concern (SVHC)	This product is not listed or contain substances mentioned on the "Candidate List of Substances of very High Concern" SVHC published 27/06/2018 in concentration \geq 0.1%
Volatiles organic compounds (VOC)	This product doesn't contain VOC (directive 2010/75/EU)

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Ce document annule et remplace tous documents techniques et réglementaires précédents / *This document cancel and replace all technical and regulatory previous documents.*