

Certificate of Analysis

Product Name: Poly(ethylene glycol)
tested according to Ph. Eur., 20,000

Product Number: 81275

Batch Number: BCCJ9790

CAS Number: 25322-68-3

Formula: $H(OCH_2CH_2)_nOH$

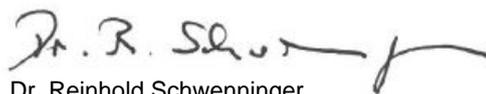
Formula Weight:

Quality Release Date: 30 JUN 2023

Recommended Retest Date: DEC 2024

TEST	SPECIFICATION	RESULT
STABILIZER	--	159 PPM BHA
PHARMACOPOEA TESTS	CORRESPONDS TO REQUIREMENTS	TESTED ACCORDING TO PH.EUR.11.2
IDENTIFICATION A	VISCOSITY	CORRESPONDS
IDENTIFICATION B	A WHITE CRYSTALLINE PRECIPITATE IS FORMED	CORRESPONDS
IDENTIFICATION C	THE LIQUID PHASE BECOMES BLUE	CORRESPONDS
APPEARANCE OF SOLUTION	CLEAR, NOT MORE INTENSELY COLORED THAN REFERENCE SOLUTION BY6	CORRESPONDS
ACIDITY OR ALKALINITY	CORRESPONDS	CORRESPONDS
FREEZING POINT	MIN. 57 C	57.9 C
REDUCING SUBSTANCES	CORRESPONDS	CORRESPONDS
VISCOSITY	2700 - 3500 MPAS	3074 MPAS
RESIDUAL SOLVENTS	CORRESPONDS	CORRESPONDS
DIOXAN	MAX. 10 PPM	< 1 PPM
ETHYLENE OXIDE	MAX. 1 PPM	< 0.1 PPM
FORMALDEHYDE	MAX. 15 PPM	5 PPM
HEAVY METALS	CORRESPOND TO REQUIREMENTS	ELEMENTAL IMPURITIES ACCORDING TO ICH Q3D ARE NOT LIKELY TO BE PRESENT

SULPHATED ASH	MAX. 0.2 %	< 0.01 %
WATER	MAX. 1.0 %	0.3 %



Dr. Reinhold Schwenninger

Quality Assurance

Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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