

Product specification

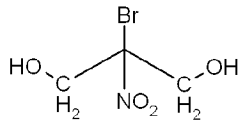
Lanxess Deutschland GmbH
Business Unit Material Protection
51369 Leverkusen

Spec. no. SPM00000059E
Issue 006
Material no. 05465427
Date 2003-12-29

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PREVENTOL P-100

CAS no. 000052517
Chemical Description 2-bromo-2-nitropropane-1,3-diol
Common name Bronopol
Empirical formula C₃H₆BrNO₄
Structural formula



Description

white to yellowish crystals

Specification

Characteristic	Specification	Unit
01. Appearance		
Visual Description	complies	
02. CONTENT		
HPLC		
AFAM 2011-0582501-00D		
CONTENT	>= 99.0	%
2-METHYL-2-NITROPROPANE-1,3-DIOL	<= 0.1	%
TRIS (HYDROXIMETHYL)-NITROMETHANE	<= 0.1	%
03. CONTENT		
VOLUMETRIC		
AFAM 2011-0140602-95D		
SODIUM BROMIDE	<= 0.5	%
04. WATER CONTENT		
VOLUMETRIC		
AFAM 2011-0131301-90D		
AFAM 2011-0131401-90D		
WATER (KARL-FISCHER)	<= 0.5	%
05. pH-value		
Potentiometric		
AFAM 2020-2101301-92D		
Concentration	C = 1	%
pH-value	4.0 - 7.0	

Specification values are subject to constant monitoring.

Storage

If correctly stored and kept in the original sealed container, the shelf life is at least 24 months.

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Further Information

The safety data sheet 159429 should be observed. This contains further information on labelling, transport and storage as well as information on handling, product safety and ecology. For additional technical information see "Product Information".

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