

SALES SPECIFICATION

Code: MPG

Description: Propylene Glycol USP

Test Description	Specification Limits		Unit of Measure	Test Method
	Min.	Max.		
Propylene Glycol, on a dry basis	99.5		%(w/w)	HOC 0540
Acidity as acetic acid		0.002	%(w/w)	HOC 0210
Chlorides		0.5	ppm	HOC 0221
Colour, Pt-Co		10	APHA Colour	HOC 0641
Heavy Metals as Pb		5	ppm	HOC 0274
Iron		0.5	ppm	HOC 0290
Water		0.2	%(w/w)	HOC 0316
Arsenic as As		1		HOC 0242
Distillation @ 760 mm Hg				
Initial Boiling Point	186		°C	HOC 0154
Drying Point		189	°C	HOC 0154
Residue on Ignition	0	0.005	%(w/w)	HOC 0140
Specific Gravity@20/20 °C	1.0377	1.0389		HOC 0132
Specific Gravity@25/25 °C	1.0352	1.0364		HOC 0132
Sulphate	0	0.006	%(w/w)	HOC 0225

Comments: Physical properties are not monitored constantly.

Issue of Revision Date: 21-03-2006

Spec Version Number: 1

SALES SPECIFICATION

Code: PGL

Description: Propylene Glycol Industrial

Test Description	Specification Limits		Unit of Measure	Test Method
	Min.	Max.		
Propylene Glycol, on a dry basis	99.5		%(w/w)	
Acidity as acetic acid		0.005	%(w/w)	
Chlorides		1	ppm	
Colour, Pt-Co		10		
Heavy Metals as Pb		5	ppm	
Iron		1.0	ppm	
Water		2	%(w/w)	
Arsenic as As		1		
Distillation @ 760 mm Hg				
Initial Boiling Point	185		°C	
Drying Point		190	°C	
Refractive Index @25 °C	1.43	1.432		
Residue on Ignition	0	0.005	%(w/w)	
Specific Gravity@20/20 °C	1.0375	1.039		
Specific Gravity@25/25 °C	1.035	1.0365		
Sulphate	0	0.006		

Comments: Physical properties are not monitored constantly.

Issue of Revision Date: 21-03-2006

Spec Version Number: 1