



**THE DOW CHEMICAL COMPANY
SALES SPECIFICATION**

Date Printed: 2015-01-19

Effective Date: 01/15/2015

Supersedes Date: 08/09/2004

Name: Dipropylene Glycol LO+

Specification Number: 000000021608

Previous Specified Material: 00021608

Additional Product Information:

DIPROPYLENE GLYCOL WITH A CHARACTERISTIC SLIGHT ODOR.

Shelf Life

Container Type	Conditions of Handling	Conditions of Storage	Shelf Life	Deterioration Characteristics
Drum			12 Months	
Bulk			12 Months	

Final Testing Requirements

Test and Test Condition	Limit	Unit	Method	Note
Assay, calculated	99.50 Min	WT%	DOWM 100761	1
Acidity, as acetic acid	0.0010 Max	WT%	DOWM 101370	
Appearance, clear/matter free	Pass		Visual	
Chlorides	1 Max	ppm	DOWM 101867	
Color, Pt-Co	10 Max		ASTM D5386	
Iron	0.100 Max	ppm	ASTM E394	
Test Frequency:	quarterly			
Odor, characteristic, slight	Pass		Olfactory	

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Final Testing Requirements

Test and Test Condition	Limit	Unit	Method	Note
Propylene Glycol	0.20 Max	%	DOWM 100761	2
Tripropylene Glycol	0.50 Max	%	DOWM 100761	3
Water Content	0.100 Max	WT%	ASTM E1064	
DPG Isomer #1	27 — 43	%	DOWM 101518	
Test Frequency:	on request			
DPG Isomers #2 + #3	42 — 56	%	DOWM 101518	
Test Frequency:	on request			
DPG Isomer #4	5 — 10	%	DOWM 101518	
Test Frequency:	on request			
DPG Isomer #5	3 — 14	%	DOWM 101518	
Test Frequency:	on request			
Residue on Ignition	0.0050 Max	WT%	ASTM D1119	
Test Frequency:	on request			

Final Testing Requirements Notes:

- 1 May also be determined using DOWM 101518
- 2 May also be determined using DOWM 101518
- 3 May also be determined using DOWM 101518

General Notes

- 1 PHYSICAL PROPERTIES

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General Notes

PROPERTY AND CONDITION	LIMIT	UNIT	METHOD
Distillation Range, IBP-DP SOURCE: 0150-	228-236	degC	ASTM D1078
Specific Gravity (Relative Density), @ 20/20degC	1.021-1.025		ASTM D891
Specific Gravity (Relative Density), @ 25/25degC	1.017-1.022		ASTM D891
Weight per Gallon @ 25degC SOURCE: 0150-	8.49 Nom	lb	Test method in development
Refractive Index @ 20degC SOURCE: 0150-	1.439-1.442		Current EP
Refractive Index @ 25degC SOURCE: 0150-	1.438-1.441		Current EP

READ PRECAUTIONARY INFORMATION AND MATERIAL SAFETY SHEETS. THIS PRODUCT IS SHIPPED IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING CLASSIFICATION, PACKAGING, SHIPPING AND LABELING.