

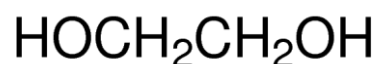
Department: Quality Control	Document No: LCPL/QSD/QAD/11	SOP No.: SOP/QC/11-E039
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SPECIFICATION : ETHYLENE GLYCOL AR

Issue date	09/04/2018	Review date	08/04/2023	Location	All Units
Version No.:	00	Supersedes	--	Page No	1 of 1

PRODUCT DETAILS

1	Molecular Formula	HOCH ₂ CH ₂ OH
2	Product code	E039
3	Molecular weight	62.07
4	CAS No	107-21-1
5	Risk Statement No	22
6	Safety Statement No	--
7	UN No.	UN3082



PACKING DETAILS

	Product code	Pack size
1	E03930	500 mL
2	E03932	2.5 L

PRODUCT SPECIFICATION

SL. No. TEST PARAMETERS

1	Description
2	Miscibility
3	Assay (GC)
4	Weight per mL
5	Refractive index
6	Chloride (Cl)
7	Sulphate (SO ₄)
8	Iron (Fe)
9	Substances reducing KMnO ₄
10	Substances discoloured by H ₂ SO ₄
11	Acidity (as CH ₃ COOH)
12	Sulphated ash
13	Water (by KF)

LIMITS

A clear colourless hygroscopic viscous liquid.

Miscible with water, methanol, ethanol, acetone, acetic acid glycerol and pyridine. Insoluble in benzene, petroleum ether and carbon tetra chloride.

Not less than 99.0%

Between 1.112 and 1.114 g

Between 1.431 and 1.447

Not more than 0.0002%

Not more than 0.002%

Not more than 0.0001%

Passes test

Passes test

Not more than 0.001%

Not more than 0.003%

Not more than 0.1%

SAFETY SYMBOLS



Harmful / Irritant



Health hazard