



GEE GEE KAY

ORTHOPHOSPHORIC ACID

Technical Grade

Description : Clear colourless & odourless syrupy liquid

Sr. No.	Characteristic	SCIL Specification	Result	Method
1.	Orthophosphoric acid H ₃ PO ₄ % w/w, min	86.0	86.3	IS:798 (Method A)
2.	P ₂ O ₅ % w/w, min	62.3	62.5	-
3.	Specific gravity at 20oC, min	1.700	1.7045	Sp. Gr. Bottle
4.	Iron as Fe, ppm, max	10.0	2.55	A-4
5.	Calcium as Ca, ppm, max	80.0	3.3	AAS
6.	Magnesium as Mg, ppm, max	5.0	1.5	AAS
7.	Heavy metals as Pb, ppm,max	10.0	<10	A-10
8.	Chloride as Cl ppm, max	20.0	12	A-5
9.	Fluoride as F, ppm, max	100.0	84	Ion selective electrode
10.	Sulphate as SO ₄ - 2ppm max	300.0	126	A-6.2

% P₂O₅ = % H₃PO₄ X 142/196

Remarks : Phosphoric acid quality confirms to SCIL specification.



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