

Certificate of Analysis			
Product Name		SODIUM DIHYDROGEN PHOSPHATE DIHYDRATE	
SR.	TESTS	SPECIFICATION	RESULT
1	Description	White or almost white powder or colourless crystals	Colourless crystals
2	Solubility	Very soluble in water and very slightly soluble in ethanol (96 %).	Complies
3	Identification A) Solution characteristic B) Reaction of phosphate C) Reaction of sodium	A) Solution is slightly acid. B) It gives reaction of Phosphates C) It gives reaction of Sodium.	Complies
4	Appearance of 10% w/v solution	Solution is clear and colorless	Complies
5	pH of w/v solution	4.2-4.5	4.34
6	Reducing substances	Color of the permanganate should not completely discharge	Complies
7	Chloride	NMT 200 m	Complies
8	Sulfate	NMT 300 ppm	Complies
9	Iron	NMT 10 ppm	Complies
10	Loss on drying (At 130 °C)	21.5 - 24.0 %	23.68 %
11	Assay (on dry basis)	98.0 % - 100.5 % of NaH ₂ PO ₄	100.12 %