



Certificate of Analysis

Sodium Phosphate Dibasic Heptahydrate ACS

Catalog Number: SP1008
Lot Number: 0131803
CAS Number: 7782-85-6
Synonym(s): Disodium hydrogen phosphate heptahydrate, Disodium phosphate
Molecular Formula: $\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$
Molecular Weight: 268.07
Storage: 15°C – 30°C
Date of Manufacture: April 26, 2017
Retest Date: April 25, 2022

Test	Specification	Result
Appearance	Colorless or white crystals	Conforms
Identification	To pass test	Conforms
Assay	98.0% - 102.0%	98.82%
Solubility (10%,H ₂ O)	Clear & colorless	Clear & colorless
pH (5%)	8.7 – 9.3	9.27
Insoluble Matter	≤ 0.005%	0.003%
Chloride	≤ 0.001%	< 0.001%
Sulfate	≤ 0.005%	< 0.005%
Heavy Metals	≤ 10ppm	< 10ppm
Iron	≤ 10ppm	< 10ppm

Approved by:

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Date: February 1, 2018