



Certificate of Analysis

Product

16120 - Sodium Phosphate Dibasic Dihydrate for cell culture, 99.5%, Endotoxin (BET) 0.05EU/mg - [10028-24-7]

Batch No

5135370

Analysis Date

05-Jun-2022

Date of Manufacture

June 2022

Expiry Date/Re-Test Date

June 2027

Molecular Formula

Na₂HPO₄.2H₂O

Molecular Weight

177.99

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (T)	min 99.5%	99.6%
Water Insoluble matter	max. 0.005%	0.001%
pH (5% aq. solution)	9.1 - 9.3	9.2
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Copper (Cu)	max. 0.0005%	Passes
Potassium (K)	max. 0.005%	Passes
Absorbance (A) of 0.5M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.05	0.010
@280nm	max. 0.05	0.009
DNase, RNase, Protease	Not detected	Not detected
Suitability for Cell Culture	Passes	Passes
Bacterial Endotoxin Test (BET) (EU/mg = IU/mg)	<0.05 EU/mg	Passes