

ANALYSIS CERTIFICATE

CODE: 142507

BATCH: 0002529659

PRODUCT:

**di-Sodium Hydrogen Phosphate 2-hydrate (USP, BP, Ph. Eur.) pure,
pharma grade**

ISSUE DATE: 29/10/2024

RETEST DATE: 10/2030

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Assay (Acidim.) (calc. a.a.s)	98,0-100,5%	100,0%
Identity according to Pharmacopoeias:	passes test	passes test
pH of 5% solution	8,7-9,4	9,1
Maximum limit of impurities		
Appearance of solution	passes test	passes test
Insoluble matter in H ₂ O	0,025 %	<0,025 %
Reducing substances	passes test	passes test
Loss on drying at 130°C	19,5-21,0 %	19,9%
Chloride (Cl)	0,003%	<0,003%
Nitrogen compounds (as N)	0,003%	<0,003%
Sulphate (SO ₄)	0,01%	<0,01%
Residual solvents (Ph.Eur.)	passes test	passes test
Sodium di-Hydrogen Phosphate	passes test	passes test
As	0,0001 %	<0,0001 %
Fe	0,002 %	<0,002 %
Elemental impurities (ICH Q3D):		
Class 1		
Cd	0,5 ppm	<0,5 ppm
Pb	0,5 ppm	<0,5 ppm
As	1 ppm	<1 ppm
Hg	1,5 ppm	<1,5 ppm
Class 2A		
Co	5 ppm	<5 ppm
V	10 ppm	<10 ppm
Ni	20 ppm	<20 ppm
Class 2B		
Tl	5 ppm	<5 ppm
Au	10 ppm	<10 ppm
Pd	10 ppm	<10 ppm
Ir	10 ppm	<10 ppm
Os	10 ppm	<10 ppm
Rh	10 ppm	<10 ppm
Ru	10 ppm	<10 ppm
Se	15 ppm	<15 ppm
Ag	15 ppm	<15 ppm
Pt	10 ppm	<10 ppm
Class 3		
Li	55 ppm	<55 ppm
Sb	120 ppm	<120 ppm
Ba	140 ppm	<140 ppm
Mo	25 ppm	<25 ppm
Cu	250 ppm	<250 ppm
Sn	600 ppm	<600 ppm
Cr	25 ppm	<25 ppm

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