

**ANALYSIS CERTIFICATE**

**CODE:** 141323

**BATCH:** 0002520507

**PRODUCT:** Phenol 90% aqueous solution (USP) pure, pharma grade

**ISSUE DATE:** 21/05/2024

**RETEST DATE:** 01/2026

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Minimum assay (C <sub>6</sub> H <sub>6</sub> O)	89,0%	91,0%
Identity according to Pharmacopoeia:	passes test	passes test
Destillation point	< 182,5°C	< 182,5°C
Maximum limit of impurities		
Appearance of solution and reaction	passes test	passes test
Acidity	passes test	passes test
Insoluble matter in H <sub>2</sub> O	0,01 %	<0,01 %
Non-volatile matter	0,05 %	0,001 %
Chloride (Cl)	0,005%	<0,005%
Residual solvents (USP)	passes test	passes test
m-Cresol (G.C.)	0,1%	<0,1%
o-Cresol (G.C.)	0,1%	<0,1%
p-Cresol (G.C.)	0,1%	<0,1%
Water (H <sub>2</sub> O) (w/w)	9-11 %	9,0 %
Elemental impurities (ICH Q3D):		
Class 1		
Cd	0,5 ppm	<0,5 ppm
Pb	0,5 ppm	<0,5 ppm
As	1,5 ppm	<1,5 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	0,8 ppm	<0,8 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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