

ANALYSIS CERTIFICATE

CODE: 144852

BATCH: 0002273304

PRODUCT: Phenol crystalline (USP, BP, Ph. Eur.) pure, pharma grade

ISSUE DATE: 16/05/2023

RETEST DATE: 05/2026

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Assay (C ₆ H ₆ O)	99,0-100,5%	99,9%
Identity according to Pharmacopoeias:	passes test	passes test
Freezing point (a.d.s.)	>= 39,5°C	40,5°C
Maximum limit of impurities		
Appearance of solution	passes test	passes test
Acidity	passes test	passes test
Insoluble matter in H ₂ O	passes test	passes test
Non-volatile matter	0,05 %	Not detectable
Chloride (Cl)	0,005%	<0,005%
Residual solvents (Ph.Eur/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 ₂ O)	0,5 %	0,05 %
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

Panreac Química SLU
C/Garraf, 2
Polígono Pla de la Bruguera
E-08211 Castellar del Vallès
(Barcelona) Spain
Phone +34 937 489 400
info.es@itwreagents.com
www.itwreagents.com



QA Director
T. Llauradó

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