

**ANALYSIS CERTIFICATE**

**CODE: 141323**

**BATCH: 0001264950**

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

**ISSUE DATE: 13/12/2017**

**RETEST DATE: 08/2019**

<b>SPECIFICATIONS</b>	<b>GUARANTEE VALUE</b>	<b>ACTUAL VALUE</b>
Minimum assay (C <sub>6</sub> H <sub>6</sub> O)	89,0%	90,1%
Identity according to Pharmacopoeia:	passes test	Passes test
Distillation point	< 182,5°C	< 182,5°C
<b>Maximum limit of impurities</b>		
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 %	0,002 %
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 %	10 %
<b>Elemental impurities (ICH Q3D):</b>		
<b>Class 1</b>		
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
<b>Class 2A</b>		
Co	5 ppm	<5 ppm
V	10 ppm	<10 ppm
Ni	20 ppm	<20 ppm
<b>Class 2B</b>		
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
<b>Class 3</b>		
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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Director de Garantía Calidad  
**P. Verge**

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