

**ANALYSIS CERTIFICATE**

**CODE: 141067**

**BATCH: 0001501119**

**PRODUCT: Trichloroacetic Acid (BP, Ph. Eur.) pure, pharma grade**

**ISSUE DATE: 06/08/2018**

**RETEST DATE: 07/2021**

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Assay (Acidim.) calc. a.d.s.	99,0-100,5%	99,8%
Identity according to Pharmacopoeias:	passes test	Passes test
Maximum limit of impurities		
Appearance of solution	passes test	Passes test
Insoluble matter in H <sub>2</sub> O	0,01 %	<0,01 %
Loss on drying	1,0%	<1,0%
Residue on ignition (as SO <sub>4</sub> )	0,05 %	0,002 %
Chloride (Cl)	0,005%	<0,005%
Sulphate (SO <sub>4</sub> )	0,05%	<0,05%
Nitrate (NO <sub>3</sub> )	0,02%	<0,02%
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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Quality Assurance Director  
Director de Garantía Calidad  
**P. Verge**

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