

ANALYSIS CERTIFICATE

CODE: 145300

BATCH: 0002398386

PRODUCT:

**1,1,1-Trichloro-2-Methyl-2-Propanol 1/2-hydrate (BP, Ph. Eur.) pure,
pharma grade**

ISSUE DATE: 18/12/2023

RETEST DATE: 12/2027

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Assay (Arg.) (calc. a.a.s)	98,0-101,0%	99,5%
Identity according to Pharmacopoeias:	passes test	passes test
Maximum limit of impurities		
Appearance of solution	passes test	passes test
Acidity	passes test	passes test
Insoluble matter in C ₂ H ₅ OH 96%	passes test	passes test
Residue on ignition (as SO ₄)	0,1 %	0,1 %
Chloride (Cl)	0,01%	<0,01%
Residual solvents (Ph.Eur.)	passes test	passes test
Trichloromethane (G.C.)	0,006 %	<0,006 %
Acetone (G.C.)	0,10 %	<0,10 %
Water (H ₂ O)	4,5-5,5 %	5,1 %
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
Cr	25 ppm	<25 ppm
Sn	600 ppm	<600 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. Llauredó

CODE: 145300

BATCH: 0002398386