

06/02/2023

afh

ANALYSIS CERTIFICATE

CODE: **Z42825**

BATCH: 0002061832

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

ISSUE DATE: 20/10/2021

RETEST DATE: 10/2027

SPECIFICATIONS	GUARANTEE VALUE	ACTUAL VALUE
Minimum assay (as C ₁₅ H ₂₄ O)	99,0%	99,9%
Identity according to Pharmacopoeias:	passes test	passes test
range Freezing	69 - 70°C	69 - 70°C
Maximum limit of impurities		
Appearance of solution	passes test	passes test
Insoluble matter in CH ₃ OH	passes test	passes test
Residue on ignition (as SO ₄)	0,002 %	Not detectable
Related substances	passes test	passes test
Residual solvents (Ph.Eur.)	passes test	passes test
Elemental impurities (ICH Q3D):		
Class 1		
Cd	0,5 ppm	<0,5 ppm
Pb	5 ppm	<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	5 ppm	<5 ppm
Class 2B		
Tl	5 ppm	<5 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 S.L.U.
C/Garraf, 2
Polígono Pla de la Bruguera
E-08211 Castellar del Vallès
(Barcelona) España
Tel. (+34) 937 489 400
Fax (+34) 937 489 401
e-mail: central@panreac.com
www.panreac.com

Caillat

Technical Director
Director Técnico
Dr. L. Martín

CODE: **Z42825**

BATCH: 0002061832