

Certificate of Analysis 18892371



Metapharmaceutical Ind. S.L.
SL, Josep Pla, nº 163, 2º 5ª
08020 BARCELONA
SPAIN

Date 04-JUN-2019 Page 1 / 3

Order

Your Order number

Delivery

Partner-No.

Contact person

Material: **689383**
Canapure®PH
Arevipharma Batch/Lot: 19M20337
Batch/Lot: 10300017 2,000 KG
Storage: dry, ambient temp.
Date produced MAY 2019
Best before APR 2021

Characteristics	Value	Lower Limit	Upper Limit
Color / Appearance, as is			
1000 Arevipharma QC-TM 0001	passed test		
Color			
1000 Arevipharma QC-TM 0001	1) white to pale yellow		
Appearance/condition			
1000 Arevipharma QC-TM 0001	1) solid		
Specific rotation at 20 degree C.			
1045 Arevipharma QC-TM 0493	deg* ml/g -130,4	-132,5	-129,5

Characteristics	Value		Lower Limit	Upper Limit
Metals and heavy metals				
1006 Arevipharma QC-TM 0427				
Manganese	mg/kg	< 3	max.	25
Arsenic	mg/kg	< 0,2	max.	1,5
Lead	mg/kg	< 0,1	max.	0,5
Cadmium	mg/kg	< 0,0	max.	0,2
Mercury	mg/kg	< 0,0	max.	0,3
Nickel	mg/kg	< 0	max.	2
Copper	mg/kg	< 3	max.	30
Iron	mg/kg	< 5	max.	25
Cobalt	mg/kg	< 0,1	max.	0,5
Vanadium	mg/kg	< 0	max.	1
Boron	mg/kg	< 25	max.	25
Tin	mg/kg	< 3	max.	25
Chromium	mg/kg	< 3	max.	25
Molybdenum	mg/kg	< 3	max.	25
Tungsten	mg/kg	< 3	max.	25
Water content				
1005 Arevipharma QC-TM 0426	%	0,0	max.	1,0
GLC, Headspace				
1002 Arevipharma QC-TM 0356				
Diethylether	ppm	< 3	max.	5000
Benzene	ppm	< 0	max.	2
Toluene	ppm	< 2	max.	890
Ethylene glycol	ppm	< 93	max.	620
N-Heptane	ppm	239	max.	5000

Characteristics	Value		Lower Limit	Upper Limit
Content by HPLC				
1003 Arevipharma QC-TM 0417				
Olivetol	%	< 0,05	max.	0,15
Olivetol methyl ester	%	< 0,05	max.	0,15
(+)-Menthadienol	%	< 0,05	max.	0,15
Cannabidiolcarboxylic acid methyl ester	%	< 0,05	max.	0,15
Cannabidiol hydroxyethyl ester	%	< 0,05	max.	0,15
Any unspecified impurity	%	< 0,05	max.	0,10
Sum of related substances	%	< 0,1	max.	2,0
1004 Arevipharma QC-TM 0418				
Sum Delta-[9- + 8- + 9(11)]-Tetrahydrocannabiol	%	< 0,05	max.	0,10
1007 Arevipharma QC-TM 0428				
Cannabidiol (anhydrous substance)	%	100,3	98,0	102,0
Comparison to standard				
1007 Arevipharma QC-TM 0428	comparable to standard 1) comparable to standard			
Ash content				
Sulphated ash, Ph. Eur. 2.4.14/USP 281	%	0,1	max.	0,1
Melting point				
1046 Arevipharma QC-TM 0009	°C	68,0	65,0	69,0

Annotation:

1) Target

2) Intermittent tested. This time skipped.

The certificate does not release the user from the responsibility of undertaking his own tests of the characteristics of the product and its suitability in the intended application.

This is a computer generated certificate of analysis and is therefore not signed by hand. The positive release procedure and the stringent workflow of the computerized system ensure the same level of reliability as a handwritten signature.