



LIFTMODE
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CERTIFICATE OF ANALYSIS

Berberine


(5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium)

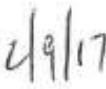
Material Lot #: 702557
Country of Origin: China

Report Date: 11/08/2017
Expiration Date: 09/08/2020

Product Name	Berberine HCL	Client Lot Number	702557
Report Date	12/09/17	Laboratory #	9547

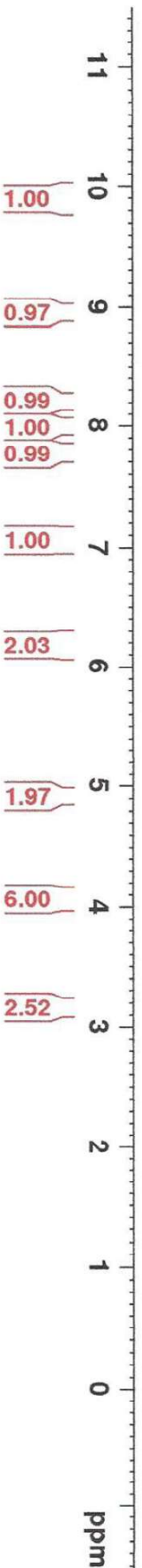
Test	Method	Result
Identification	Proton NMR	Conforms
Assay	HPLC	100.7%
Lead	ICP-MS USP <730>	0.050 ppm
Arsenic	ICP-MS USP <730>	0.026 ppm
Cadmium	ICP-MS USP <730>	0.398 ppm
Mercury	ICP-MS USP <730>	0.018 ppm
Total Aerobic Count	Biolumix	<10 CFU/g
Yeast and Mold	Biolumix	<10 CFU/g
Salmonella	Biolumix	Absent
E.Coli	Biolumix	Absent
Coliform	Biolumix	<10 CFU/g

Collin Thomas 
Laboratory Manager

12/09/2017 
Date

Berberine should be stored at or below room temperature in a tightly sealed durable container.
Berberine should be protected from excess heat, direct sunlight, excess humidity and moisture.
Berberine has a stable shelf life of 3 years from the date of manufacture when properly stored.

¹H NMR of berberine HCl
in DMSO
Lot # 9547
Colmaric Analytical
400 MHz
12-5-17



Current Data Parameters
 NAME Dec03-2017-colmaric
 EXNO 9
 PROCTNO 1
 F2 - Acquisition Parameters
 Date_ 20171206
 Time 10.34
 INSTRUM spect
 PROBHD 5 mm PABBO BB-
 PULPROG zg30
 TD 32768
 SOLVENT DMSO
 NS 32
 DS 0
 SNUH 5208.333 Hz
 FIDRES 0.158946 Hz
 AQ 3.1497281 sec
 RG 181
 DW 96.000 usec
 DE 25.61 usec
 TE 298.0 K
 D1 1.50000000 sec
 TD0 1
 CHANNEL f1
 NUC1 ¹H
 P1 11.30 usec
 PL -2.50 dB
 PL1W 18.35869358 W
 SFO1 400.1320007 MHz
 F2 - Processing Parameters
 SI 32768
 SF 400.130070 MHz
 WDW EM