

Product: MICRONIZED DIOSMIN
Customer: META-PHARMACEUTICAL INDUSTRIAL S.L.
Customer order number: 2019-1/231
DBCh Order No.: ORD19-003668
Batch No.: DF-562M
Nett Weight: 400 Kg

Code: 4234

DEFINITION	RESULTS	SPECIFICATIONS (*)	METHOD
Identification: (by IR & HPLC)	Positive	positive	According to std.
Appearance:	Conform	greyish-yellow or light yellow hygroscopic powder	According to std.
Solubility:	Conform	practically insoluble in water, soluble in dimethyl sulfoxide, practically insoluble in ethanol (96%). It dissolves in dilute solutions of alkali hydroxides	According to std.
Decomposition point: (°C)	273.4	272-283	Current EP
Water content: (%)	2.89	≤ 6.0	Current EP
Diosmin content: by HPLC (%)	90.88	≥ 90.0-102.0 (on anhydrous substance)	Current EP
Imp. A (Acetoisovanillone): (%)	0.11	Max. 0.5	Current EP
Imp. B (Hesperidin): (%)	0.96	Max. 4.0	Current EP
Imp. C (Isorhoifolin): (%)	1.19	Max. 3.0	Current EP
Imp. D (6-Iododiosmin): (%)	<0.10	Max. 0.6	Current EP
Imp. E (Linarin): (%)	2.18	Max. 3.0	Current EP
Imp. F (Diosmetin): (%)	0.51	Max. 2.0	Current EP
Any others impurities: (%)	<0.4	Max. 0.4	Current EP
Total impurities: (%)	4.95	Max. 8.5	Current EP
Sulfated ashes: (%)	0.12	Max. 0.2	Current EP
Heavy metals: (ppm)	<20	Max. 20	Current EP
Iodine content: (%)	<0.1	Max. 0.1	Current EP
Residual solvent: (ppm)	<200	(Piridine) Max. 200	Internal method
Aerobic Bact.: (cfu/g)	<10 ³	Max. 10 ³	Current EP
Coliform Bact.: (cfu/g)	Absent	Absence (1g)	Current EP
E. Coli:	Absent	Absence (1g)	Current EP
Yeast/Moulds: (cfu/g)	< 10 ²	Max. 10 ²	Current EP
Particle size: (%/µm)	Conform	90% < 5 µm; 50% < 2 µm	Current EP
Bulk density: (g/ml)	Conform	< 0.5	Current EP

(*) Revised: July 2019. Rev.4

MANUFACTURING DATE: 12 July 2019
 REANALYSIS**: 10 July 2024
 Date: 22 July 2019

Quality Control Manager:



The results of the tests exposed in this Certificate of Analysis were determined immediately after production. Therefore Destilaciones Bordas Chinchurreta, S.A. does not assume responsibility for the variation of its properties caused by inadequate transport or storage of product in question. This Certificate does not exempt the customer from his own quality check. Storage conditions: Keep at room temperature in a dark and dry place.

*(**) After this period the product should keep all its quality if stored under the appropriate conditions. If the analysis conforms the specifications, the product can be used and reanalysed after 3 months.*

DESTILACIONES BORDAS CHINCHURRETA, S.A.

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