

Certificate of Analysis

Product Name : Acepromazine Maleate
Product Number : ARK2015-25KG
Batch Number : 0000206945
Source Batch : 0000176441
CAS Number : 3598-37-6
Molecular Formula : C₂₃H₂₆N₂O₅S
Formula Weight : 442.53
Expiry Date : 17 Jul 2026
Date Of Release : 05 Dec 2022
Date of Manufacture : 18 Jul 2022



Test	Specification	Result
CHARACTERISTICS (BPVet)	A yellow, crystalline powder	A yellow, crystalline powder
ID - IR (BPVet)	Conforms to reference spectrum	Conforms to reference spectrum
ID - TLC (BPVet)	The principal spot in the chromatogram obtained with the Test Solution corresponds in position, fluorescence, and colour to that in the chromatogram obtained with the Reference Solution	Conforms
ID - MALEIC ACID (BPVet)	A bluish/black colour develops	Conforms
MELTING POINT (BPVet)	136 - 139 °C	138 °C
pH (BPVet)	4.0 - 4.5	4.1
RELATED COMPOUNDS (BPVet)	Not more than 0.5% of any secondary spot	Not more than 0.5% of any secondary
LOSS ON DRYING (BPVet)	≤ 1.0 %	0.2 %
SULPHATED ASH (BPVet)	≤ 0.2 %	0.0 %
ASSAY (BPVet)	98.5 - 101.0 %	99.9 %
RESIDUAL SOLVENTS	≤ 500 ppm	0 ppm
Methanol		
RESIDUAL SOLVENTS	≤ 890 ppm	0 ppm
Toluene		
RESIDUAL SOLVENTS	≤ 2000 ppm	0 ppm
N-Propanol		
RELATED SUBSTANCES (HPLC)	≤ 0.50 %	0.08 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale



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Acepromazine-S-oxide		
RELATED SUBSTANCES (HPLC)	≤ 0.50 %	0.00 %
2-Acetylphenothiazine		
RELATED SUBSTANCES (HPLC)	≤ 0.20 %	0.06 %
Other impurities individually		
RELATED SUBSTANCES (HPLC)	≤ 1.0 %	0.2 %
Total Impurities		
HEAVY METALS (BPVet)	≤ 20 ppm	< 20 ppm
MICROBIAL TESTING (PhEur)	≤ 1000 CFU/g	< 10 CFU/g
Total Aerobic Microbial Count		
MICROBIAL TESTING (PhEur)	≤ 100 CFU/g	< 10 CFU/g
Total Yeast and Mould Count		
MICROBIAL TESTING (PhEur)	Absent in 10g	Absent
Salmonella species		
MICROBIAL TESTING (PhEur)	Absent in 1g	Absent
E. coli		
MICROBIAL TESTING (PhEur)	Absent in 1g	Absent
Staphylococcus aureus		
MICROBIAL TESTING (PhEur)	Absent in 1g	Absent
Candida albicans		
MICROBIAL TESTING (PhEur)	Absent in 1g	Absent
Pseudomonas aeruginosa		



Liberty Lopez
 QC Reviewing Lead

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