

Certificate of Analysis

Product Name : Acepromazine Maleate USP, BP Vet (For Veterinary use only)
Product Number : ARK2015-10KG
Batch Number : 0000407663
Source Batch : 0000381138
CAS Number : 3598-37-6
MDL Number : MFCD00082473
Molecular Formula : C₂₃H₂₆N₂O₅S
Formula Weight : 442.53 g/mol
Expiry Date : 16 Oct 2028
Date Of Release : 07 Jan 2025
Date of Manufacture : 16 Oct 2024

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	Conforms
LOSS ON DRYING (BPVet)	≤ 1.0 %	0.0 %
SULPHATED ASH (BPVet)	≤ 0.2 %	0.0 %
ASSAY (BPVet)	98.5 - 101.0 %	100.6 %
RESIDUAL SOLVENTS	≤ 500 ppm	2 ppm
Methanol		
RESIDUAL SOLVENTS	≤ 890 ppm	1 ppm
Toluene		
RESIDUAL SOLVENTS	≤ 2000 ppm	512 ppm
N-Propanol		
RELATED SUBSTANCES (HPLC)	≤ 0.50 %	0.04 %

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 %	0.13 %
Other impurities individually		
RELATED SUBSTANCES (HPLC)	≤ 1.0 %	0.1 %
Total Impurities		
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
Psuedomonas aeruginosa		



Jamal Toutou
QC Manager

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