

Item Number	O1047
Item	Orphenadrine Citrate, USP
CAS Number	4682-36-4
Molecular Formula	$C_{18}H_{23}NO \cdot C_6H_8O_7$
Molecular Weight	461.50
MDL Number	
Synonyms	(RS)-Dimethyl[2-(2-methylbenzhydryloxy)ethyl]amine Dihydrogen Citrate ; Mephenamine Citrate

Test	Specification	
	Min	Max
ASSAY ($C_{18}H_{23}NO \cdot C_6H_8O_7$; DRIED BASIS)	98.0	101.5 %
LOSS ON DRYING		0.5 %
RESIDUE ON IGNITION		0.1 %
ORGANIC IMPURITIES, PROCEDURE 1 (HPLC):		
ORPHENADRINE RELATED COMPOUND B		0.1 %
ORPHENADRINE RELATED COMPOUND C		0.3 %
METHYLBENZHYDROL		0.1 %
DIPHENHYDRAMINE		0.3 %
METHYL ORPHENADRINE		0.1 %
ANY INDIVIDUAL, UNSPECIFIED IMPURITY		0.10 %
TOTAL IMPURITIES		0.5 %
ORGANIC IMPURITIES, PROCEDURE 2 (GC):		
METHYLBENZOPHENONE		0.3 %
METHYLBENZHYDROL.		0.3 %
DIPHENHYDRAMINE.		0.3 %
DIDESMETHYL ORPHANADRINE		0.3 %
ORPHENADRINE RELATED COMPOUND E		0.3 %
ORPHENADRINE RELATED COMPOUND F		0.3 %
ANY INDIVIDUAL, UNSPECIFIED IMPURITY.		0.10 %
TOTAL IMPURITIES.		1.0 %
ISOMER CONTENT		0.3 %
ELEMENTAL IMPURITIES:		
NICKEL (Ni)	AS REPORTED	
CHROMIUM (Cr)	AS REPORTED	
MOLYBDENUM (Mo)	AS REPORTED	

Test	Specification	
	Min	Max
COPPER (Cu)	AS REPORTED	
IDENTIFICATION (A) FTIR	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION (C)	POSITIVE FOR CITRATE	
APPEARANCE		
EXPIRATION DATE		
DATE OF MANUFACTURE		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

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