

Item Number	D3976
Item	Dantrolene Sodium, USP
CAS Number	24868-20-0
Molecular Formula	C <sub>14</sub> H <sub>9</sub> N <sub>4</sub> NaO <sub>5</sub> •3.5H <sub>2</sub> O
Molecular Weight	399.29
MDL Number	
Synonyms	1-[(5-(p-Nitrophenyl)furfurylidene)amino]hydantoin Sodium-Potassium Salt

Test	Specification	
	Min	Max
Completed 5/19/2016, with specs		
ASSAY (FREE ACID FORM; ANHYDROUS BASIS)	90.0	96.0 %
WATER DETERMINATION	14.5	17.0 %
ELEMENTAL IMPURITIES	AS REPORTED	
DANTROLENE RELATED COMPOUND A		0.15 %
ORGANIC IMPURITIES		
RELATED COMPOUND B		0.50 %
RELATED COMPOUND C		0.30 %
IDENTIFICATION A ( FTIR)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	RETENTION TIME CORRESPONDS TO STANDARD	
IDENTIFICATION (C)	POSITIVE FOR SODIUM	
IDENTIFICATION (D1)	WHITE PRECIPITATE FORMED	
IDENTIFICATION (D2)	PRECIPITATE REMAINS	
IDENTIFICATION (D3)	PRECIPITATE DISSOLVES	
IDENTIFICATION (D4)	NO PRECIPITATE IS FORMED	
RETEST DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	AS REPORTED	

*Spectrum Chemical Mfg Corp*

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