

Item Number	B2850
Item	Buspirone Hydrochloride, USP
CAS Number	33386-08-2
Molecular Formula	C <sub>21</sub> H <sub>31</sub> N <sub>5</sub> O <sub>2</sub> •HCl
Molecular Weight	421.96
MDL Number	
Synonyms	8-(4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl)-8-azaspiro[4,5]decane-7,9-dione Hydrochloride

Test	Specification	
	Min	Max
ASSAY	97.5	102.5%
WATER DETERMINATION		0.5%
RESIDUE ON IGNITION		0.5%
ELEMENTAL IMPURITIES	AS REPORTED	
ORGANIC IMPURITIES DETECTED AT (UV 240 nm):		
Buspirone related compound A		0.10 %
Spiroammonium salt		0.10 %
Bispyrimidinylpiperazinyl butane		0.10 %
Bispyrimidinylpiperazinyl butyl ether		0.10 %
Buspirone open ring		0.3 %
Buspirone open ring dimer		0.10 %
Buspirone related compound G		0.10 %
Buspirone diester dimer		0.10 %
Chlorobuspirone		0.10 %
Buspirone open ring spirodimer		0.2 %
Any other individual impurity.		0.10 %
Total impurities.		0.4 %
ORGANIC IMPURITIES DETECTED AT (UV 210 nm):		
Buspirone related compound K		0.1 %
Buspirone related compound L		0.1 %
Buspirone bromobutyl analog		0.10 %
Buspirone related compound N		0.10 %
Any other individual impurity		0.10 %
Total impurities		0.2 %

Test	Specification	
	Min	Max
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	RETENTION TIME MATCHES STANDARD	
IDENTIFICATION (C)	POSITIVE FOR CHLORIDE	
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	AS REPORTED	

***Spectrum Chemical Mfg Corp***

---

<b>Corporate Headquarters:</b>	<b>West Coast Facility:</b>
769 Jersey Ave.	14422 S. San Pedro St.
New Brunswick, NJ 08901	Gardena, CA 90248
732.214.1300	310.516.8000