



**Specification for Denatonium Benzoate, Anhydrous, Granular,
NF (DE101)**

Item Number	DE101
Item	Denatonium Benzoate, Anhydrous, Granular, NF
CAS Number	3734-33-6
Molecular Formula	C ₂₈ H ₃₄ N ₂ O ₃
Molecular Weight	446.59
MDL Number	
Synonyms	Benzyl-diethyl(2,6-xylyl-carbamoyl-methyl)ammonium Benzoate

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (DRIED BASIS)	99.5	101.0 %
MELTING RANGE (DRIED BASIS)	163°C	170°C
pH OF A 3% SOLUTION @ 25°C	6.5	7.5
LOSS ON DRYING		1.0 %
RESIDUE ON IGNITION		0.1 %
CHLORIDE (Cl)		0.2 %
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION A (FTIR)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION B (UV)		3.0 %
IDENTIFICATION : C	YELLOW PRECIPITATE FORMS	
IDENTIFICATION D	APPROXIMATELY. 170°C	
RETEST DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS:	-AS REPORTED	

Spectrum Chemical Mfg Corp

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