

PRODUCTO: GUAIFENESINA

ITEMS	SPECIFICATIONS
DESCRIPTION	White to slightly gray, crystalline powder may have a slight characteristic odour
SOLUBILITY	Soluble in water, in alcohol, in chloroform and in propylene glycol, sparingly soluble in glycerine
IDENTIFICATION	Infrared absorbance spectrum should be concordant with RS (OR) working standard
a) Infrared absorption	
b) Ultraviolet absorption	Ultraviolet absorption solution : 40µ per ml medium: methanol
c) Formaldehyde test	Mix about 5 mg with 1 drop of formaldehyde and a few drops of sulfuric acid: a deep cherry-red to purple colour s produced
MELTING POINT	78°C~82°C
LOSS ON DRYING AT 60°C (under vaccume for 3 hrs)	NMT 0.5%
HEAVY METALS	NMT 0.0025%
ASSAY BY HPLC (on dried basis)	98.0% ~ 102.0%
CHROMATOGRAPHIC PURITY	
➤ Guaiacol	NMT 0.03%
➤ β -Isomer	NMT 1.50%
➤ Other individual impurity	NMT 0.50%
➤ Total impurities (excluding guaiacol and β- Isomer)	NMT 1.00%
RESIDUAL SOLVENTS	
a) Toluene	NMT 890 ppm
b) Methanol	NMT 3000 ppm
c) Methylene di chloride	NMT 600 ppm