



# BETAINE HYDROCHLORIDE TECHNICAL DATA SHEET

Plant I : TAIAN HAVAY CHEMICALS CO., LTD.  
Plant II : XUZHOU HAVAY FEED CO., LTD.  
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## Betaine Hydrochloride (C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub> · HCl)

ITEM	HAVAY STANDARD SPECIFICATION	
	Grade I : 95%	Grade II : 98%
Content / %	≥95	≥98
Content (as pure Betaine) / %	≥72.4	≥74.7
Appearance	White Crystalline Particles	
Loss on Drying / %	≤1	≤0.5
Residue on Ignition / %	≤4	≤1.5
Chlorides (as Chloride Ions) / %	No Requirement	
Heavy Metal (as Lead) / ppm	≤10	
As / ppm	≤2	
Free Amine (as TMA) / ppm	≤300	

CAS No.: 590-46-5  
EINECS No.: 209-683-1  
HS Code: 292390