



## CERTIFICATE OF ANALYSIS

### BETAINE HCL

CAS Number 590-46-5  
Molecular Formula  $C_5H_{12}ClNO_2$   
Molecular Weight 153.61

TEST	SPECIFICATION
ASSAY (ANHYDROUS BASIS)	98.0 - 100.5%
pH of a 1 in 4 Solution	0.8 - 1.2
WATER	-- 0.5%
RESIDUE ON IGNITION	-- 0.1%
HEAVY METALS	-- 0.001%
IDENTIFICATION	--TO PASS TEST
RETEST DATE	
RESIDUAL SOLVENTS	