



## CERTIFICATE OF ANALYSIS

### DILTIAZEM HCL

CAS Number 33286-22-5  
Molecular Formula C22H26N2O4S.HCl  
Molecular Weight 450.98

TEST	SPECIFICATION
ASSAY (DRIED BASIS)	98.0 - 102.0%
SPECIFIC ROTATION [ $\alpha$ ] <sub>D</sub>	+110° TO +116°
LOSS ON DRYING	-- 0.5%
RESIDUE ON IGNITION	-- 0.1%
HEAVY METALS (as Pb)	-- 20 PPM
RELATED COMPOUNDS	-- TO PASS TEST
IDENTIFICATION	-- TO PASS TEST
EXPIRATION DATE	
RESIDUAL SOLVENTS:	-- TO PASS TEST