



## CERTIFICATE OF ANALYSIS

### PHENIRAMINE MALEATE

CAS Number 132-20-7  
Molecular Formula  $C_{16}H_{20}N_2 \cdot C_4H_4O_4$   
Molecular Weight 356.5

TEST	SPECIFICATION
ASSAY (DRIED BASIS)	99.0 - 101.0%
APPEARANCE OF SOLUTION	TO PASS TEST
MELTING POINT	106° - 109°C
OPTICAL ROTATION	-0.10° to +0.10°
pH OF A 1 % SOLUTION @ 25°C	4.5 - 5.5
RELATED SUBSTANCES	TO PASS TEST
HEAVY METALS	-- 20 PPM
LOSS ON DRYING	-- 0.5%
SULPHATED ASH	-- 0.1%
IDENTIFICATION	TO PASS TEST
EXPIRATION DATE	
RESIDUAL SOLVENTS	TO PASS TEST