



## CERTIFICATE OF ANALYSIS

### CALCIUM, LEVULINATE

CAS Number 5743-49-7  
Molecular Formula  $C_{10}H_{14}CaO_6 \cdot 2H_2O$   
Molecular Weight 306.33

TEST	SPECIFICATION
ASSAY (DRIED BASIS)	97.5 - 100.5%
MELTING RANGE	119° - 125°C
pH OF A 10% SOLUTION	7.0 - 8.5
LOSS ON DRYING	10.5 - 12.0%
CHLORIDE	-- 0.07%
SULFATE	-- 0.05%
ARSENIC (As)	-- 3 PPM
HEAVY METALS	-- 0.002%
REDUCING SUGARS	TO PASS TEST
RESIDUAL SOLVENTS	TO PASS TEST
IDENTIFICATION	TO PASS TEST