



CERTIFICATE OF ANALYSIS

MAGNESIUM STEARATE

CAS Number 557-04-0
 Molecular Formula
 Molecular Weight

TEST	SPECIFICATION
ASSAY (Mg)	4.0 - 5.0%
RELATIVE CONTENT OF STEARIC & PALMITIC ACID	TO PASS TEST
MICROBIAL LIMITS:	
TOTAL AEROBIC MICROBIAL COUNT	-- 1000 CFU/G
TOTAL COMBINED MOLDS & YEASTS COUNT	-- 500 CFU/G
TEST FOR SALMONELLA SPECIES & E. COLI	NEGATIVE
ACIDITY / ALKALINITY	TO PASS TEST
LOSS ON DRYING	-- 6.0%
LEAD (Pb)	-- 10 PPM
CHLORIDE (Cl)	-- 0.1%
SULFATE	-- 0.5%
HEAVY METALS	-- 20 PPM
CADMIUM (Cd)	-- 3 PPM
NICKEL (Ni)	-- 5 PPM
RESIDUAL SOLVENTS	TO PASS TEST
IDENTIFICATION	TO PASS TEST
EXPIRATION DATE	



CERTIFICATE OF ANALYSIS

MAGNESIUM TRISILICATE POWDER

CAS Number 39365-87-2
Molecular Formula $2\text{MgO} \cdot 3\text{SiO}_2 \cdot x\text{H}_2\text{O}$
Molecular Weight $260.86 + x\text{H}_2\text{O}$

TEST	SPECIFICATION
ASSAY (MgO)	20.0 % --
(SiO ₂)	45.0 % --
WATER	17.0 - 34.0 %
ACID-CONSUMING CAPACITY (0.1N HCl/g)	140 - 160 ML/G
RATIO (SiO ₂ :MgO)	2.10 - 2.37
SOLUBLE SALTS	-- 1.5 %
CHLORIDE (Cl)	-- 0.055 %
SULFATE	-- 0.5 %
FREE ALKALI	--TO PASS TEST
ARSENIC (As)	-- 8 PPM
HEAVY METALS (as Pb)	-- 0.003 %
IDENTIFICATION	--TO PASS TEST
EXPIRATION DATE	