

Chief Chemist

APPROVED BY :

ITEM	SPECIFICATION	TEST RESULT
APPEARANCE	WHITE CRYSTALLINE GRANULAR POWDER	WHITE CRYSTALLINE GRANULAR POWDER
PURITY (wt %)	99.5 MIN	99.82
PERMANGANIC ACID (wt %)	1.0 MAX	.63
MALIC ACID (wt %)	0.05 MAX	.04
ARSENIC (as As ₂ O ₃ , ppm)	0.5 MAX	PASSED
HEAVY METALS (as Pb, ppm)	10 MAX	PASSED
ASH (wt %)	0.05 MAX	.006
WATER INSOLUBLE MATTER (wt %)	0.1 MAX	> .002
IRON (ppm)	5 MAX	.5
LEAD (ppm)	2 MAX	PASSED
CHLORIDE (ppm)	30 MAX	PASSED
MELTING POINT (°C)	127 ~ 132	130.1
READILY OXIDIZABLE SUBSTANCE (min)	3 MIN	10
MOISTURE (wt %)	0.4 MAX	.32

LOT NO : KSGE0341

2020. 6. 1

(CERTIFICATE OF ANALYSIS)

TEST RESULTS OF DL - MALIC ACID

273, HANGANG-DAEORO, YONGSAN-GU, SEOUL, KOREA
 TEL. : (02) 3274-9100
 FAX. : (02) 718-9111

PETROCHEMICAL COMPLEX
 32 SAPYEONG-RO, NAM-GU, ULSAN, KOREA
 PO BOX : 68 ULSAN
 TEL. : (052) 226-8800
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HEAD OFFICE

PLANT

Yongsan Chemicals, Inc.