

TEST RESULTS OF DL – MALIC ACID

(CERTIFICATE OF ANALYSIS)

ORIGINAL

Manufacturing date : 2022.11.10

I T E M	SPECIFICATION		TEST RESULT
	WHITE CRYSTALLINE GRANULAR POWDER		WHITE CRYSTALLINE GRANULAR POWDER
APPEARANCE			
ASSAY (wt %)	99.5	MIN	99.81
FUMARIC ACID (wt %)	1.0	MAX	0.63
MALEIC ACID (wt %)	0.05	MAX	0.03
ARSENIC (as A s ₂ O ₃ ,PPM)	0.5	MAX	PASSED
HEAVY METALS (as Pb, PPM)	10	MAX	PASSED
RESIDUE ON IGNITION (SULPHATED ASH) (wt %)	0.05	MAX	0.006
WATER INSOLUBLE MATTER(wt %)	0.1	MAX	<0.002
IRON (PPM)	5	MAX	0.5
LEAD (PPM)	2	MAX	PASSED
MERCURY (PPM)	1	MAX	PASSED
CHLORIDE (PPM)	30	MAX	PASSED
MELTING POINT (℃)	127 ~ 132		130.1
MOISTURE (wt %)	0.4	MAX	0.20
TEST FOR MALATE	-		PASSED

* SHELF LIFE : 24MONTHS FROM MANUFACTURED DATE.

* THE PRODUCT CONFORMS TO E296 (ACCORDING TO COMMISSION REGULATION (EU) NO 231/2012)

