

CERTIFICATE OF ANALYSIS

Product: Malic Acid
Your Article No.: 112.0391
Quantity: 2.000 kg
Batch: K24GE0117
Manufacturing Date: 29.02.2024
Expiry Date: 28.02.2026

ITEM	Unit	Specification	Result	Test Method
APPEARANCE	-	WHITE CRYSTALLINE GRANULAR POWDER	WHITE CRYSTALLINE GRANULAR POWDER	VISUAL
ASSAY	wt%	99.5 MIN	99.83	FCC
FUMARIC ACID	wt%	1.0 MAX	0.96	USP
MALEIC ACID	wt%	0.05 MAX	0.03	USP
ARSENIC (as As ₂ O ₃)	ppm	0.5 MAX	PASSED	FCC
HEAVY METALS (as Pb)	ppm	10 MAX	PASSED	FCC
RESIDUE ON IGNITION (SULPHATED ASH)	wt%	0.05 MAX	0.006	FCC
WATER INSOLUBLE MATTER	wt%	0.1 MAX	<0.002	FCC
IRON	ppm	5 MAX	0.5	Absorption Spectrophotometry
LEAD	ppm	2 MAX	PASSED	FCC
MERCURY	ppm	1 MAX	PASSED	KFAC
CHLORIDE	ppm	30 MAX	PASSED	KFAC
MELTING POINT	°C	127 ~ 132	130.1	KFAC
MOISTURE	wt%	0.4 MAX	0.23	Karl Fischer Method
TEST FOR MALATE	-	PASS	PASSED	KFAC

SHELF LIFE : 24MONTHS FROM MANUFACTURED DATE.

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

«It is certified that the information complies with the quality agreements. The data is based on the information provided by the manufacturer. »