

CERTIFICATE OF ANALYSIS

CITRIC ACID MONOHYDRATE TTCA BRAND

Items	Unit	FCC	Result
CHARACTERISTICS		COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL
IDENTIFICATION TEST		PASS THE TEST	PASS THE TEST
CLARITY & COLOUR OF SOLUTION		20% WATER SOLUTION CLARITY	20% WATER SOLUTION CLARITY
ASSAY	%	99.5-100.5	99.80
MOISTURE	%	/	8.79
SULPHATED ASH	%	≤0.05	0.01
SULPHATE	ppm	PASS THE TEST	<20
OXALATE	ppm	PASS THE TEST	<20
CALCIUM	ppm	PASS THE TEST	<10
HEAVY METALS	ppm	≤5	<1
IRON	ppm	/	<1
CHLORIDE	ppm	/	<5
READILY CARBURETEDSUBSTANCE		STANDARD COLOUR	LESS THAN
BARIUM		/	PASS THE TEST
BACTERIAL ENDOTOXIN	IU/mg	/	<0.5
ALUMINIUM	ppm	/	<0.2
ARSENIC	ppm	≤3	<0.1
MERCURY	ppm	/	<0.1
LEAD	ppm	≤0.5	<0.5
GANIC VOLATILE IMPURITY		PASS THE TEST	PASS THE TEST
TRIDODECYLAMINE	ppm	≤0.1	<0.1
U.V. RADIATION ABSORPTION		PASS THE TEST	PASS THE TEST
ODOR		ODORLESS	PASS THE TEST
FILTRATION		C-C	B-C
Result		Pass	