



PT. PANCASAKTI PUTRA KENCANA
IMPORTIR AND STOCKIST OF INDUSTRIAL AND FOOD CHEMICALS

F/QCL/002 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Citric Acid Monohydrate
Batch No. : 500A030522
Formula : $C_6H_8O_7 \cdot H_2O$
Cas No : 5949-29-1
Date Of Analysis : May 03, 2022
Expire Date : May 03, 2027

NO.	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	—	Colourless translucent crystals or as white, fine, crystalline powder	pass
2.	Identification	—	Passes test	pass
3.	Appearance solution	—	Passes test	pass
4.	Assay	%	99.5 – 100.5	100.0
5.	Water Content	%	7.5 – 8.8	8.8
6.	Readily carbonisable substance	—	ABS $\leq 0,52$ TRA $\geq 0.30\%$	< 0,52 > 0.30%
7.	Sulphated ash (residu on ignition)	%	max 0.05	0.01
8.	Sulphate (SO_4)	ppm	max 150	< 150
9.	Oxalate (as $C_2H_2O_2$)	ppm	max 100	< 100
10.	Arsenic (As)	ppm	max 1	0.1
11.	Lead (Pb)	ppm	max 0.5	0.1
12.	Mercury (Hg)	ppm	max 1	0.1
13.	Aluminium (Al)	ppm	max 0.2	< 0.2
14.	Heavy Metals (as Pb)	ppm	max 10	5
15.	Bacterial Endotoxin	IU/mg	max 0.5	< 0.5
16.	Isocitric acid	-	passes test	passes test
17.	Barium (Ba)	-	passes test	passes test
18.	Calcium (Ca)	ppm	≤ 200	< 200
19.	Iron (Fe)	ppm	≤ 50	< 50
20.	Chlrde (Cl)	ppm	≤ 50	< 50
21.	Oxalic acid	ppm	≤ 100	< 100

PT. Pancasakti Putra Kencana



Yuvraj Sagvekar
Quality Control