

Certificate of Analysis

Product Name	Modified Citrus Pectin	Mfg. Date	2022.03.18
Batch No.	KN220318	Testing Date	2022.03.22
Batch Qty.	500kg	Exp. Date	2024.03.17

Items	Specifications	Results
Appearance	White to light yellow granules or powder	Yellow powder
Identification 1	A gel or semi gel forms	Complies
Identification 2	Red precipitate of cuprous oxide is formed	Complies
Identification 3	The color and the position of the main spot of the test solution should be identical with those of the spot of the reference solution	Complies
Unsaturated	$\geq 0.5 \times 10^{-5}$ Mol	0.7×10^{-5} Mol
Sugars and organic acid	$\leq 20\text{Mg}$	13.5Mg
Sulfur dioxide	$\leq 0.005\%$	0.004%
Loss on drying	$\leq 10.0\%$	7.8%
Heavy metals	$\leq 10\text{ppm}$	$< 10\text{ppm}$
As	$\leq 3\text{ppm}$	$< 3\text{ppm}$
Methanol Ethanol Isopropanol	Methanol $\leq 0.3\%$ Ethanol $\leq 0.5\%$ Isopropanol $\leq 0.5\%$	Methanol:ND Ethanol:0.2% Isopropanol: ND
Methoxy groups	$\geq 6.7\%$	7.9%
Galacturonic acid	$\geq 74.0\%$	76%
Molecular weight	5000~50000Dal	47000Dal
Aerobic microbial count	$\leq 1000\text{cfu/g}$	100cuf/g
Yeast&Mold	$\leq 100\text{cfu/g}$	$< 10\text{cuf/g}$
E.Coli	Negative	N.D.
Conclusion:	The product complies with Enterprise Standard.	

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