

## Certificate of Analysis

Product Name	DL-Mandelic acid		
CAS NO	611-71-3		
Manufactured Date	2022.09.20	Test Date	2022.09.20
Batch NO.	LY220920	Expiry Date	2024.09.19

Item of Analysis	Specification	Results
Assay	>99%	99.2%
<b>Organoleptic Data</b>		
Appearance	Powder	Conform
Colour	White	Conform
Odor	Characteristic	Conform
Taste	Characteristic	Conform
Melting point	118-122°C	120°C
Solubility	150g/L(20°C)	Conform
Loss on drying	<0.2%	0.09%
SingLe impurity	<0.10%	0.03%
Total ash	<0.50%	0.15%
Total Heavy Metals	<10ppm	Conform
<b>Microbiological</b>		
Total Plate Count	<1,000cfu/g	Conform
Total Yeast & Mold	<100cfu/g	Conform
E. Coli	Negative	Negative
Salmonella	Negative	Negative
Conclusion	Complies with specification.	
Storage	Store in a well-closed container away from moisture, light, oxygen.	
Shelf life	24 months	