



CERTIFICATE OF ANALYSIS

Product and Batch Information		
Product Name: Isomalto-oligosaccharide powder(corn)		
Batch No. LSM231005	Quantity: 500kgs	
Manufacture Date: Oct.05,2023	Analysis Date: Oct.08,2023	Expiration Date: Oct.04,2026

Analysis Items	Specifications	Results	Test method
Physical & Chemical			
Appearance	Dry fine powder, no impurity visible in normal vision	Dry fine powder, no impurity visible in normal vision	GB/T 20881-2017 HPLC
Color	White or light yellow	White	GB/T 20881-2017 HPLC
Odor	Odorless, with the special aroma of this product sweet, gentle and refreshing, no peculiar smell	Odorless, with the special aroma of this product, sweet, gentle and refreshing, no peculiar smell	GB/T 20881-2017 HPLC
IMO	90.0%Min	91.92%	GB/T 20881-2017 HPLC
G ₂ -P-IG ₂	45%Min	49.3%	GB/T 20881-2017 HPLC
Glucose	5%Max	1.2%	GB/T 20881-2017 HPLC
Loss on drying	4.0%Max	3.38%	GB/T 20881-2017 HPLC
pH	4.0~6.0	4.7	GB/T 20881-2017 HPLC
Solubility	99%Min	99.9%	GB/T 20881-2017 HPLC
Sulphate Ash	0.3%Max	<0.05%	GB/T 20881-2017 HPLC
Heavy metals			
As	0.5ppm Max	<0.5ppm	GB 5009.12-2017
Pb	0.5ppm Max	<0.5ppm	GB 5009.11-2014
Microbiology Control			
Total plate count	1500cfu/g Max	<10cfu/g	GB4789.2-2016
Yeast & Mold	25cfu/g Max	<10cfu/g	GB4789.15-2016
E. Coli	10cfu/g Max	<10cfu/g	GB4789.3-2016
Salmonella	Negative	Negative	GB4789.4-2016
Staphylococcus aureus	Negative	Negative	GB4789.10-2016
Conclusion	Complies with the GB/T 20881-2017 standards.		

Packing and Storage	
Packing: Pack in paper-carton and two plastic-bags inside.	
Shelf life: 2 year when properly stored.	
Storage: Store in a well-closed place with constant low temperature and no direct sun light	



Laboratory technician: Xiaoke Hui Checker: Ping Wang

Quality control: Liang Yan