



金源化工私人有限公司
NOBLE SPECIALTY SDN. BHD. (182260-U)

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K.L. - No. 96, Jalan Taming 6, Kawasan Perusahaan Taman Taming Jaya,
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P.P. - No. 11, Lorong Teguh 3, Taman Industri Teguh, Permatang Tinggi,
14000 Bukit Mertajam, Pulau Pinang. Tel: 04-5682231/2232 Fax: 04-5682213



SPECIFICATION

COMMODITY : Native Tapioca Starch (Amsco)

ORIGIN : Thailand

PACKING : 25kgs Bag



CHARACTERISTICS	SPECIFICATION	METHOD
Apperance	White or off-white powder	Visual checking
Moisture % Max.	14	Drying at 105°C for 4hrs
Whiteness % Min.	90	Whiteness meter
Ash % Max.	0.2	Residue after heating at 575°C for 4hrs
pH - Range	4.5 - 7.0	pH Meter
So ₂ ppm Max.	30	Rankine method
Peak Viscosity BU Min.	550	Brabender viscograph, 6%



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SPECIFICATION

COMMODITY : Modified Tapioca Starch Neovis T-205

ORIGIN : Thailand

PACKING : 25kgs Bag



CHARACTERISTICS	SPECIFICATION	METHOD
Apperance	White or off-white powder	Visual checking
Moisture % Max.	14	Drying at 105°C for 4hrs
Whiteness % Min.	90	Whiteness meter
Ash % Max.	0.5	Residue after heating at 575°C for 4hrs
pH - Range	4.5-6.5	10% Slurry
So ₂ ppm Less than	10	Rankine method
Total Plate Count cfu/g Max.	10000	AOAC 966.23
Yeast cfu/g Max.	100	Agar Plate Incubation (PDA10%)
Mould cfu/g Max.	100	Agar Plate Incubation (PDA10%)
E.Coli /g	Negative	BGLB Method etc
Viscosity at 95°C, BU Min.	400	Brabender viscograph,6%



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SPECIFICATION

COMMODITY : **Modified Tapioca Starch ASC 3**

ORIGIN : **Thailand**

PACKING : **25kgs Bag**



CHARACTERISTICS		SPECIFICATION	METHOD
Apperance		White or off-white powder	Visual checking
Moisture	% Max.	14	Drying at 105°C for 4hrs
Whiteness	% Min.	90	Whiteness meter
Ash	% Max.	0.5	Residue after heating at 575°C for 4hrs
pH	- Range	4.5-6.5	10% Slurry
So ₂	ppm Less than	10	Rankine method
Total Plate	Count cfu/g Max.	10000	AOAC 966.23
Yeast	cfu/g Max.	100	Agar Plate Incubation (PDA10%)
Mould	cfu/g Max.	100	Agar Plate Incubation (PDA10%)
E.Coli	/g	Negative	BGLB Method etc
Viscosity at 95°C,	BU Min.	400	Brabender viscograph,6%



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SPECIFICATION

COMMODITY : **Modified Tapioca Starch K-1SR**

ORIGIN : **Thailand**

PACKING : **20kgs Bag**



CHARACTERISTICS	SPECIFICATION	METHOD
Apperance	White or off-white powder	Visual checking
Moisture % Max.	14	Drying at 105°C for 4hrs
Whiteness % Min.	90	Whiteness meter
Ash % Max.	0.5	Residue after heating at 575°C for 4hrs
pH - Range	4.5-7.0	10% Slurry
So ₂ ppm Less than	10	Rankine method
Total Plate Count cfu/g Max.	10000	AOAC 966.23
Yeast cfu/g Max.	100	Agar Plate Incubation (PDA10%)
Mould cfu/g Max.	100	Agar Plate Incubation (PDA10%)
E.Coli /g	Negative	BGLB Method etc



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SPECIFICATION

COMMODITY : Modified Tapioca Starch MR200

ORIGIN : Thailand

PACKING : 20kgs Bag



CHARACTERISTICS		SPECIFICATION	METHOD
Apperance		White or off-white powder	Visual checking
Moisture	% Max.	14	Drying at 105°C for 4hrs
Whiteness	% Min.	90	Whiteness meter
Ash	% Max.	0.5	Residue after heating at 575°C for 4hrs
pH	- Range	4.5-6.5	10% Slurry
So ₂	ppm Less than	10	Rankine method
Total Plate	Count cfu/g Max.	10000	AOAC 966.23
Yeast	cfu/g Max.	100	Agar Plate Incubation (PDA10%)
Mould	cfu/g Max.	100	Agar Plate Incubation (PDA10%)
E.Coli	/g	Negative	BGLB Method etc
Viscosity at 95°C,	BU Range	350-700	Brabender viscograph,6%



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SPECIFICATION

COMMODITY : **Modified Tapioca Starch MR300**

ORIGIN : **Thailand**

PACKING : **20kgs Bag**



CHARACTERISTICS		SPECIFICATION	METHOD
Apperance		White or off-white powder	Visual checking
Moisture	% Max.	14	Drying at 105°C for 4hrs
Whiteness	% Min.	90	Whiteness meter
Ash	% Max.	0.5	Residue after heating at 575°C for 4hrs
pH	- Range	4.5-6.5	10% Slurry
So ₂	ppm Less than	10	Rankine method
Total Plate	Count cfu/g Max.	10000	AOAC 966.23
Yeast	cfu/g Max.	100	Agar Plate Incubation (PDA10%)
Mould	cfu/g Max.	100	Agar Plate Incubation (PDA10%)
E.Coli	/g	Negative	BGLB Method etc
Viscosity at 95°C,	BU Range.	100-350	Brabender viscograph,6%



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SPECIFICATION

COMMODITY : **Modified Tapioca Starch MT-01**

ORIGIN : **Thailand**

PACKING : **20kgs Bag**



CHARACTERISTICS	SPECIFICATION	METHOD
Apperance	White or off-white powder	Visual checking
Moisture % Max.	14	Drying at 105°C for 4hrs
Whiteness % Min.	90	Whiteness meter
Ash % Max.	0.5	Residue after heating at 575°C for 4hrs
pH - Range	4.5-6.5	10% Slurry
So ₂ ppm Less than	10	Rankine method
Total Plate Count cfu/g Max.	10000	AOAC 966.23
Yeast cfu/g Max.	100	Agar Plate Incubation (PDA10%)
Mould cfu/g Max.	100	Agar Plate Incubation (PDA10%)
E.Coli /g	Negative	BGLB Method etc
Viscosity at 95°C, 0 min BU Min.	400	Brabender viscograph,6%