



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

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SPECIFICATION

COMMODITY : **MODIFIED STARCH
QSWELL-303**

ORIGIN : **Thailand**

PACKING : **25kgs Bag**



Brief Description:

QSWELL-303 is food pre-gelatinized modified tapioca starch (Acetylated Distarch Phosphate, E 1414) which is white or off-white powder appears and produced from cassava root of Thailand.

Supply Specification:

(General items)

Appearance	White or off-white powder	Visual checking
Moiture	Max. 14%	Drying at 105°C for 4hrs.
Whiteness	Min. 80%	Whiteness meter
Ash	Max. 0.5%	Residue after heating at 575°C for 4hrs
pH	Range 4.5 - 6.5	4% Slurry
SO2	Less than 10 ppm	Rankine method
(Microbial items etc.)		
Total Place Count	Max. 5000 CFU/g	AOAC 966.23
Yeast	Max. 100 CFU/g	Agar Plate Incubation (PDA10%)
Mould	Max. 100 CFU/g	Agar Plate Incubation (PDA10%)
E.Coli	Negative /g	BGLB Method etc.

Remark:

Heavy metal (as Pb) Max 4 ppm, Lead (Pb) Max. 0.2 ppm, Arsenic (As) Max 1ppm,
Mercury (Hg) Max. 0.5 ppm, Salmonella spp. : Not Detected/25g. (Check once a year)

Packaging & Storage :

Net weight	25kgs
Type of package	Paper bag sewing
Validity term (before open seal)	2 years from production date
Storage condition	Keep in under cool, dry and odor free area away from heat and moiture. After opening, keep in properly sealed and intact sacks.

Halal, Kosher, GHP, HACCP, ISO 9001, ISO 14001 and FSSC 22000 are approved.

The department of Agriculture in Thailand, certifies that cassava commercial grown in Thailand is not genetic modified.