



金香料私人有限公司  
**MASCHEM SDN. BHD.** (No : 169345-K)

No.96,Jalan Taming 6, Taman Taming Jaya, 43300 Balakong, Selangor  
Email:001maschem@gmail.com Tel:07-3881930 Fax:07-3881932

**SPECIFICATION**

**COMMODITY** : Ammonium Bicarbonate  
**ORIGIN** : China  
**PACKING** : 25kgs Bag



CHARACTERISTICS	SPECIFICATION
Appearance	White Powdery Crystal
Total Alkalinity (As $\text{NH}_4\text{HCO}_3$ )	99.0% - 100.5%
Chloride (As Cl)	0.003% Max.
Sulphur Compunds (As $\text{SO}_4$ )	0.007% Max.
Non-Volatile Matter	0.55% Max.
Inorganic Arsenic (As AS)	0.0002 Max.
Lead (pB)	0.0005% Max.



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**SPECIFICATION**

**COMMODITY** : Boric Acid (Etimaden)  
**ORIGIN** : Turkey  
**PACKING** : 25kgs Bag



Component	SPECIFICATION	METHOD
B203	56,250 - 56,900	TS 13665
Equivalent H3BO3	99,920 - 101,070	ANT.GEN.02 In-house method (TS2481-Modified from article number 2.2.2.2)
SO4	Max 300,000	ANT.GEN.08 In-house method modified from TS ISO 11048/TS 5095)
Fe	Max 4,000	ANT.GEN.12 In-house method Modified from TS 4885
Cl	Max 5,000	TS 13674
Sieve (+) 1,000 mm	Max 4,000	ANT.GEN.18 In-house method Modified from TS 3479/ISO 2591-1
Sieve (-) 0.063 mm	Max 4,000	ANT.GEN.18 In-house method Modified from TS 3479/ISO 2591-1



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**SPECIFICATION**

**COMMODITY** : **BORAX DECAHYDRATE**  
**ORIGIN** : **Turkey**  
**PACKING** : **25kgs Bag**



Component	SPECIFICATION	METHOD
B2O3 (*)	36,470 - 38,500	TS 13675
Equivalent Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> · 10H <sub>2</sub> O	99,900 - 105,450	ANT.GEN.03 In-house method (TS1444-Modified from article number
Na <sub>2</sub> O (*)	16,240 - 17,140	TS 13675
SO <sub>4</sub> (*)	Max 135,000	ANT.GEN.08 In-house method (Modified from TS ISO 11048/TS 5095)
Cl (*)	Max 70,000	TS 13674
Fe (*)	Max 10,000	ANT.GEN.12 In-house method Modified from TS 4885
Sieve (+) 1,180 mm (*)	Max 4,000	ANT.GEN.18 In-house method Modified from TS 3479/ISO 2591-1
Sieve (-) 0,063 mm (*)	Max 4,000	ANT.GEN.18 In-house method Modified from TS 3479/ISO 2591-1



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**SPECIFICATION**

**COMMODITY** : Caustic Soda Liquid 50%  
**ORIGIN** : Malaysia  
**PACKING** : 1500kgs Tanker



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<b>Component</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
Sodium Hydroxide as NaOH, W	48.50 Min	ASTM E 291
SG, 60F/15 deg C	1.514 Min	ASTM D 1298
Total Iron as Fe, PPM	5.00 Max	ASTM E 291
Appearance	Clear	VISUAL



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**SPECIFICATION**

**COMMODITY** : Caustic Soda Liquid 50%  
**ORIGIN** : Malaysia  
**PACKING** : 300kgs Drum



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<b>Component</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
Sodium Hydroxide as NaOH, W	48.50 Min	ASTM E 291
SG, 60F/15 deg C	1.514 Min	ASTM D 1298
Total Iron as Fe, PPM	5.00 Max	ASTM E 291
Appearance	Clear	VISUAL



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**SPECIFICATION**

**COMMODITY : Clearam Ch 20**

**ORIGIN : Italy**

**PACKING : 25kgs Bag**



<b>CHARACTERISTICS</b>	<b>SPECIFICATION</b>
Loss on Drying	< = 13.0
pH at 20% (w/w)	4.5 - 6.5
Protein Content (N 6.25) As Is	< = 0.35
So <sub>2</sub>	< = 10
Acetylene Groups On Ds	1.50 - 2.10
Adipate Groups on DS	< = 0.135
Brabender Visco at Max (UB)	700 - 830
Brabender Visco at Drop (UB)	0 - 40
Lead	< = 0.2
Arsenic	< = 0.5
Mercury	< = 0.1
Total Count	< = 5000
Moulds	< = 250
Yeasts	< = 250
Enterobacteriaceae	< = 10
Escherichia Coli in 1g	Not Detected
Salmonellae in 25g	Not Detected
Crude Fat	< = 0.15



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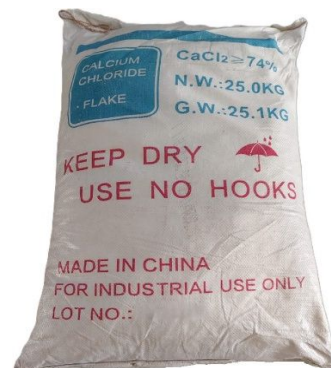
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**SPECIFICATION**

**COMMODITY : Calcium Chloride Flake**

**ORIGIN : China**

**PACKING : 25kgs Bag**



CHARACTERISTICS	SPECIFICATION
Appearance	White Flake
Calcium chloride as CaCl <sub>2</sub> , %	74.0 min
Chloride as NaCl, %	5.0 max
Water insoluble, %	0.15 max
Alkalinity as Ca (OH) <sub>2</sub> , %	0.20 max



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**SPECIFICATION**

**COMMODITY : Calcium Propionate Powder**

**ORIGIN : South Africa**

**PACKING : 25kgs Bag**



CHARACTERISTICS	SPECIFICATION
Appearance:	Fine white Powder
Assay as Calcium Propionate (dry basis)	99,0% min
Free Moisture (dried at 105°C)	6,5% max.
Insoluble Substances	0,20% max.
pH of 10% Solution	6,5 - 9,5
Arsenic	3 ppm max.
Lead	2 ppm max.
Heavy Metals (as Lead)	5 ppm max.
Iron	30 ppm max.
Magnesium (as MgO)	0,40% max.
Fluoride	30 ppm max.
Bulk Density	30 ppm max.
Particle Size Range	50% less than 106 microns

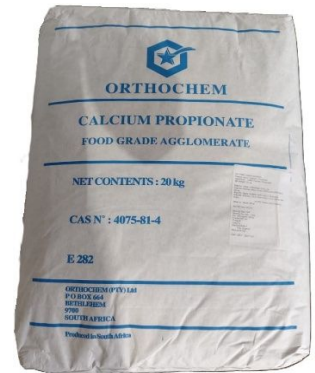


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**SPECIFICATION**

**COMMODITY** : Calcium Propionate Agglomerate  
**ORIGIN** : South Africa  
**PACKING** : 20kgs Bag



CHARACTERISTICS	SPECIFICATION
Appearance:	Fine white Powder
Assay as Calcium Propionate (dry basis)	99% min
Free Moisture (dried at 105°C)	0,20% max
Insoluble Substances	4,0% max
pH of 10% Solution	7,5 - 10,5
Arsenic	0,40% max
Lead	2 ppm max
Heavy Metals (as Lead)	5 ppm max.
Iron	30 ppm max.
Magnesium (as MgO)	30 ppm max
Fluoride	30 ppm max.
Bulk Density	0,36 - 0,42
Particle Size Range	Below 1000 microns

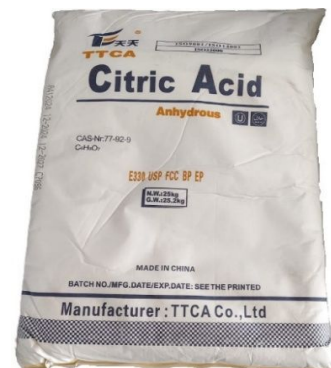


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**SPECIFICATION**

**COMMODITY** : Citric Acid Anhydrous  
**ORIGIN** : China  
**PACKING** : 25kgs Bag



CHARACTERISTICS	SPECIFICATION
Appearance:	White Crystals
Purity, %	99.5 - 100.5
Moiture, %	< 0.5
Sulphated ash, %	< 0.1
Sulphate, ppm	< 150
Heavy metals, ppm	< 5
Iron, ppm	< 50
Chloride, ppm	< 50
Aluminium, ppm	< 0.2
Oxalate, ppm	< 100
Calcium, ppm	< 200



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## SPECIFICATION

**COMMODITY** : Corn Starch Samyang  
**ORIGIN** : Korea  
**PACKING** : 25kgs Bag



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CHARACTERISTICS	SPECIFICATION
Appearance	White Powder
Moiture	Max. 13.5%
Whiteness	Min. 90.0
pH (10% Soln)	4.0 - 7.0
Ash	Max. 0.40%
Protein	Max. 0.35%
Arsenic	Max. 1.0 ppm
Lead	Max.0.5 ppm



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**SPECIFICATION**

**COMMODITY** : Glycerine  
**ORIGIN** : Malaysia  
**PACKING** : 250kgs Drum



CHARACTERISTICS	SPECIFICATION	METHOD
Assay (C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> , calculated on the anhydrous basis)	99.00 - 101.00	USP-NF 2025
Water Content, %	0.3 max.	USP-NF 2025
Specific Gravity at 25°C	1.249 min.	USP-NF 2025
Color	Pass	USP-NF 2025
Residue On Ignition, %	0.01 max	USP-NF 2025
Chlorides, ppm	10 max	USP-NF 2025
Sulfates, ppm	20 max	USP-NF 2025
Heavy Metals (as Pb), ppm	5 max	USP <231>
Limit of Chlorinated Compounds, ppm	30 max	USP-NF 2025
Fatty Acid & Ester (as mL of 0.5N NaOH consumed), mL	1.00 max	USP-NF 2025
<b>Identification</b>		
- A (Infrared Spectoroscopy <197F>)	Pass	USP-NF 2025
- B (Limit of diethylene glycol & ethylene glycol)		
Diethylene glycol, %	0.1 max.	USP-NF 2025
Ethylene glycol, %	0.1 max.	USP-NF 2025
- C (Retention Time of glycerin's peak)	Meet test requirement	USP-NF 2025
<b>Related Compounds</b>	0.1 max	USP-NF 2025
- Individual impurities (excluding any solvent peak and diethylene glycol), %	-	
- Total impurities, %	1.0 max	USP-NF 2025
Glycerol, %	99.7 min.	APAG-GL-008
Color APHA	10 max.	AOCS Ea 9-65 : 1997
Arsenic, ppm	1.5 max.	AAS



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**SPECIFICATION**

**COMMODITY : Hydrochloric Acid 33%**

**ORIGIN : Malaysia**

**PACKING : 25 Kgs Cby**



<b>CHARACTERISTICS</b>	<b>SPECIFICATION</b>
Appearance	Clear to slightly yellowish liquid
HCl, %	33.0 min.
Free Cl <sub>2</sub> , ppm	10.0 max.
Fe, ppm	5.00 max.
S.G @ 25°C	1.16 min.



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**SPECIFICATION**

**COMMODITY : HYDROFLUORIC ACID 55%**

**ORIGIN : China**

**PACKING : 25 Kgs Cby**



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CHARACTERISTICS	SPECIFICATION
PURITY :	55% MIN.
H <sub>2</sub> SIF <sub>6</sub> :	0.02% MAX.
H <sub>2</sub> SO <sub>4</sub> :	0.02% MAX.
Chloride Content (CL), % ≤	0.05% MAX.

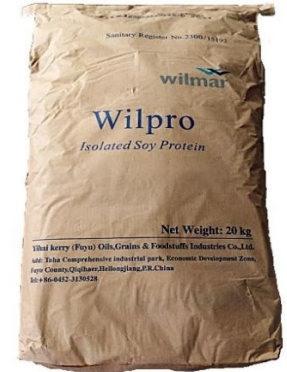


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**SPECIFICATION**

**COMMODITY** : Isolated Soy Protein WilPro G100  
**ORIGIN** : China  
**PACKING** : 20kgs Bag



PRODUCT DATA	SPECIFICATION	METHOD
MOISTURE, %	7.0% MAX.	GB 5009.3
DRY BASIS PROTEIN, %	90.0% MIN.	GB 5009.5
DRY BASIS Ash, %	6.0% MAX.	GB 5009.4

HYGIENE:	SPECIFICATION	METHOD
STANDARD PLATE COUNT	10000 CFU/GRAM MAX.	GB 4789.2
COLIFORM	10 CFU/GRAM MAX.	GB 4789.3
SALMONELLA	NEGATIVE	GB 4789.4



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**SPECIFICATION**

**COMMODITY** : Nitric Acid 68%

**ORIGIN** : Korea

**PACKING** : 35 Kgs Cby



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CHARACTERISTICS	SPECIFICATION
Nitric Acid as HNO <sub>3</sub>	68% min.
Specific Gravity	1.38 min.
HNO <sub>2</sub>	100 ppm max.
Fe	4 ppm max.
Cl	4 ppm max.
Residue on ignition	100 ppm max.
Pb	0.1 ppm max.
Appearance	Colourless to yellowish



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**SPECIFICATION**

**COMMODITY : Nitric Acid 68%**

**ORIGIN : Korea**

**PACKING : 280 Kgs Drum**



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CHARACTERISTICS	SPECIFICATION
Nitric Acid as HNO <sub>3</sub>	68% min.
Specific Gravity	1.38 min.
HNO <sub>2</sub>	100 ppm max.
Fe	4 ppm max.
Cl	4 ppm max.
Residue on ignition	100 ppm max.
Pb	0.1 ppm max.
Appearance	Colourless to yellowish



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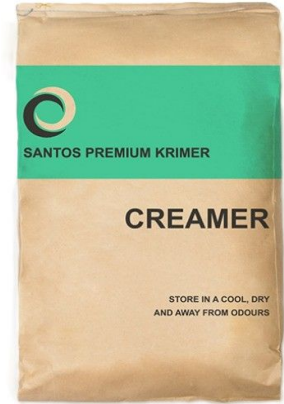
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**SPECIFICATION**

**COMMODITY : Non Dairy Creamer EC 32T**

**ORIGIN : Indonesia**

**PACKING : 25kgs Bag**



CHARACTERISTICS	SPECIFICATION	METHOD
<b>SENSORY TEST</b>		
Appearance	Clean & clean powder	SNI 4444:2018
	No Foreign material	
Colour	Cream	SNI 4444:2018
Odour	Normal	SNI 4444:2018
Taste	Typical	SNI 4444:2018
<b>PHYSICAL TEST</b>		
Tapped Bulk density (gr/ml)	0.55 ± 0.05	SNI 01-2891-1992
Moisture Content (%)	Maximum 4	SNI 4444:2018
Scorched particle	Minimum Grade B	IK/QA/LAB/03 (internal method)
Dry substance (%)	Minimum 95	IK/QA/LAB/03 (internal method)
<b>CHEMICAL TEST</b>		
pH in 10% solution	7 - 8	SNI 01-2891-1992
Protein (%)	2.0 ± 0.5	AOAC 99120:2006
Fat (%)	32 ± 2	ISO 2446:2008 (Gerber)
<b>MICROBIOLOGICAL TEST</b>		
TPC	Maximum 3000 cfu/g	FDA BAM 8th ad.1998
Yeast & Mould	Maximum 100 cfu/g	FDA BAM 8th ad.1998
Enterobacteriaceae	< 10 cfu/g	ISO 2158-2:2017
Salmonella	Negative / 25g	SNI ISO 6579:2015
Staphylococcus aureus	Colony /g	SNI ISO 6888-1:2012



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**SPECIFICATION**

**COMMODITY : Potato Starch (AKV)**

**ORIGIN : Denmark**

**PACKING : 25 Kgs Bag**



1. Inspection Certificate	
Tested Character	Specification
Moisture / c.b.	18 - 20
pH (30% slurry)	6.5 - 8.5
Visc. Brabender, 4% ds, 700cmg, PEAK	Min. 1200 BU

**We hereby confirm that this batch has been tested according to the quality requirements.**

2. Certificate of Compliance	
Character	Limits
Ash	Max 0.3
SO <sub>2</sub>	Max 10
Total plate count	Max 5,000
Yeast	Max 500
Mould	Max 500
E.Coli	Absent
Salmonella	Absent



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**SPECIFICATION**

**COMMODITY : Potassium Sorbate**

**ORIGIN : China**

**PACKING : 25Kgs Ctn**

**BRAND : Kunda**



CHARACTERISTICS	SPECIFICATION
Appearance	White to off - white granular
Odor	Slight characteristic odor
Solubility	Freely soluble in water and practically insoluble in ether
Identification Test	(1) Potassium test: Passes Test (2) Test of double bonds: Passes Test (3) UV: conforms with standard spectrum
Assay (on dry weight basis)	99% ~ 101.0%
pH-Value (10% water solution)	8.5 - 10.5
Clarify	Passes Test
Alkalinity (as K <sub>2</sub> CO <sub>3</sub> )	≤ 1%
Chloride (as Cl)	≤ 0.018%
Sulfate (as SO <sub>4</sub> )	≤ 0.038%
Loss on Drying	≤ 1.0%
Aldehydes (as formaldehyde)	≤ 0.1%
Arsenic (as As)	≤ 2mg/kg
Lead	≤ 2mg/kg

**CONCLUSION**

**QUALIFIED (Comply with FCC E202 standard)**



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**SPECIFICATION**

**COMMODITY : PDV SALT**

**ORIGIN : China**

**PACKING : 25kgs Bag**



CHARACTERISTICS	SPECIFICATION	METHOD
<b>Presentation</b>	<b>(base)</b>	
Size 0.15 - 0.85mm	85% Min.	GB/T 13025.1
Assay (as NaCl on dry basis)	99.10 Min.	GB5461-2016
Whiteness	80 Min.	GB/T 13025.2
Moisture %	0.30 Max.	GB/T 13025.3
Insoluble Matter %	0.05 Max.	GB/T 13025.4
CaSO <sub>4</sub> %	0.10 Max.	GB/T 13025.5
Na <sub>2</sub> SO <sub>4</sub> %	0.30 Max.	GB5461-2016
[Fe(CN) <sub>6</sub> ] <sup>-4</sup>	10 ppm Max.	GB5461-2016
KIO <sub>3</sub> (I)	20 - 40ppm	GB/T 13025.7
Ca	20ppm Max.	GB/T 13025.6
Mg	1ppm Max.	GB/T 13025.6
Hg	0.1ppm Max.	GB/T 13025.7
Pb	2ppm Max.	GB/T 13025.10
Fe	5ppm Max.	GB/T 13025.11
Cu	2ppm Max.	GB/T 13025.12
Sb	0.5ppm Max.	GB/T 13025.12
Cd	0.5ppm Max.	GB/T 13025.12
As	0.5ppm Max.	GB/T 13025.13



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**SPECIFICATION**

**COMMODITY : Phosphoric Acid 85%**

**ORIGIN : China**

**PACKING : 35Kgs Cby**



CHARACTERISTICS	SPECIFICATION	METHOD
H <sub>3</sub> PO <sub>4</sub> (Phosphoric Acid) % m/m	85% min.	FAO JECFA-Phosphoric Acid
Chlorides (as Cl) ppm	200	
Nitrates (as NO <sub>3</sub> ) ppm	5	
Sulphates (as SO <sub>4</sub> <sup>2-</sup> )	20	
Fluoride	10	
Volatile acids	10	
Arsenic (as As)	3	
Lead (as Pb)	4	



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**SPECIFICATION**

**COMMODITY : Sulphuric Acid 98%**

**ORIGIN : Malaysia**

**PACKING : 350Kgs Drum**



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CHARACTERISTICS	SPECIFICATION
Purity	98% Min.
Fe	0.005% Max.
As & Se	2 ppm Max.
S.G	1.830 - 1.840
Colour	Clear to faint cloudy



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**SPECIFICATION**

**COMMODITY : Sodium Hydrosulfite**

**ORIGIN : China**

**PACKING : 50Kgs Drum**



CHARACTERISTICS	SPECIFICATION
PURITY	≥ 90%
Na <sub>2</sub> CO <sub>3</sub>	1 - 2.5%
Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	0.5 - 1% max
Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	5 - 7% max
Na <sub>2</sub> SO <sub>3</sub>	0.5 - 1.5% max
Fe (ppm)	20 max
HCOONa	2.5 - 3.5%
Pb	0.0005% max
As	0.0001% max
Water insoluble	0.1 max
Appearance	FREE FLOWING WHITE CRYSTAL POWDER



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**SPECIFICATION**

**COMMODITY** : Soda Ash Light

**ORIGIN** : China

**PACKING** : 25kgs Bag



CHARACTERISTICS	SPECIFICATION
APPEARANCE	WHITE CRYSTALLINE POWDER
TOTAL ALKALINITY (AS Na <sub>2</sub> CO <sub>3</sub> , ON DRY BASIS)	99.3% (99.2% min)
CHLORIDE (AS NaCl, ON DRY BASIS)	0.6% (0.7% max)
Fe (ON DRY BASIS)	0.003% (0.0035% max)
WATER-INSOLUBLE MATTER	0.025% (0.03% max)

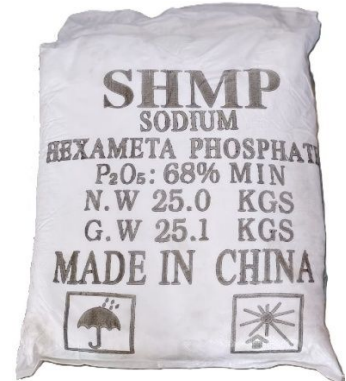


金香料私人有限公司  
**MASCHEM SDN. BHD.** (No : 169345-K)

No.96,Jalan Taming 6, Taman Taming Jaya, 43300 Balakong, Selangor  
Email:001maschem@gmail.com Tel:07-3881930 Fax:07-3881932

**SPECIFICATION**

**COMMODITY** : SHMP  
**ORIGIN** : China  
**PACKING** : 25kgs Bag



CHARACTERISTICS	SPECIFICATION
PHOSPHATE (AS P2O5)	NO LESS THAN 68%
INACTIVE PHOSPHATE (AS P2O5)	NO MORE THAN 7.5% MAX
WATER INSOLUBLE MATTERS	NO MORE THAN 0.05% MAX
IRON (AS FE)	NO MORE THAN 0.05% MAX
PH VALUE	BETWEEN 5.8 - 7
PHYSICAL APPEARANCE	WHITE POWDER



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**SPECIFICATION**

**COMMODITY** : Sodium Benzoate (Kalama)

**ORIGIN** : USA

**PACKING** : 25kgs Bag



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CHARACTERISTICS	SPECIFICATION
Identification (NF/FCC)	Passes NF & FCC Tests (Tests A,B, and C)
Assay (NF/FCC)	99.0% - 101.0% calculated on the anhydrous
Alkalinity (NF/FCC)	Not more than 0.04% as NaOH
Heavy Metals (NF)	Not more than 10 mg / kg (as Pb)
Arsenic	Not more than 3 mg / kg
Lead (FCC)	Not more than 2 mb / kg
Water (NF/FCC)	Not more than 1.5% (wt)
Residual Solvents**	Passes NF Limit Tests



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**SPECIFICATION**

**COMMODITY : Sodium Bicarbonate -F/G**

**ORIGIN : China**

**PACKING : 25kgs Bag**



CHARACTERISTICS	SPECIFICATION
APPEARANCE	WHITE CRYSTALLINE POWDER
TOTAL ALKALINITY (AS NAHCO3)	99.0% - 100.5%
LOSS ON DRYING	0.2% Max.
PH (10G/L SOLUTION)	8.5 Max.
AMMONIUM SALT	PASS THE TEST
CLARITY	PASS THE TEST
CHLORIDE (AS Cl)	0.4% Max.
WHITENESS	85 Min.
As	0.0001% Max.
HEAVY METAL (AS Pb)	0.0005% Max.



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**SPECIFICATION**

**COMMODITY** : Sorbitol  
**ORIGIN** : China  
**PACKING** : 270Kgs Drum



CHARACTERISTICS	SPECIFICATION
Appearance	Transparent, sweetly, viscosity
Dry solid, %	54.0 - 58.0
Sorbitol content, %	≥ 55.0
Ph value	5.0 - 7.5
Relative density (d <sub>20</sub> <sup>20</sup> )	1.285 - 1.315
Dextrose, %	≤ 0.21
Total dextrose, %	≤ 8.0
Residual after burning, %	≤ 0.10
Heavy metal, %	≤ 0.0005
Pb (base on pb), %	≤ 0.0001
As (base on AS), %	≤ 0.0001
Chlorid (base on Cl), %	≤ 0.001
Sulphate (base on SO <sub>4</sub> ), %	≤ 0.005
Nickel (base on Ni), %	≤ 0.0002
Yeast & Mold	≤ 10/g
Bacteria Population	≤ 1500/g
Coliform	≤ 30/100g
E Coli & Salmonella	Negative
Assess	Qualified with the standard
Remarks	This report is response for goods of this batch



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**SPECIFICATION**

**COMMODITY** : Sucralose  
**ORIGIN** : China  
**PACKING** : 10kgs Ctn



CHARACTERISTICS	SPECIFICATION
Appearance	White or almost Powder
Solubility	Freely soluble in water, methanol and ethanol, Slightly soluble in ethyl acetate
Ident IR	The IR absorption spectrum conform the reference spectrum
Ident HPLC	The retention time of the principal peak in the chromatogram of the Assay preparation corresponds to that in the chromatogram of the Standard preparation
Ident TLC	The Rf value of the major spot in the thin-layer chromatogram of the sample solution is the same as that of the Standard solution obtained in the test for Related Substance
Assay	98.0%-102.0%,calculated on the anhydrous basis
Specific Rotation	+ 84.0 ~ + 87.5°
Clarity of solution	-
PH (10% aqueous solution)	5.0-7.0
Water	≤2.0%
Methanol	≤0.1%
Ignited Residue (Sulfated ash)	≤0.7%
Arsenic(As)	≤3ppm
Heavy metals	≤10ppm
Lead	≤1ppm
Related Substances (Other chlorinated disaccharides)	≤0.5%
Hydrolysis product (Chlorinated monosaccharides)	≤0.1%
Triphenylphosphine oxide	≤150ppm
Total aerobic count	≤250CFU/g
Yeast & Moulds	≤50CFU/g
Coliforms	Negative
E.coli	Negative
S.aureus	Negative
Salmonella	Negative



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**SPECIFICATION**

**COMMODITY** : Talcum Powder Haichen 1  
**ORIGIN** : China  
**PACKING** : 25Kgs Bag



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CHARACTERISTICS	SPECIFICATION
WHITENESS	90%
SIO2	50%
MGO	31%
MOISTURE	0.3%



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**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 <sub>2</sub> ppm Max.	30	Rankine method
Peak Viscosity BU Min.	550	Brabender viscograph, 6%



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**SPECIFICATION**

**COMMODITY** : Tapioca Coarse 'Rose'  
**ORIGIN** : Thailand  
**PACKING** : 25kgs Bag



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CHARACTERISTICS	SPECIFICATION
Appearance	White to creamy white coarse powder
Colour	White
Moiture Content	Max. 13%
Starch Content	Min. 85%
pH	4.5-7.0
Pulp	Mac. 2.00ml
Ash Conten	Max. 0.25%
Sulfur Dioxide	Max. 30 ppm
Visocity, at peak	Min 500 BU
Gel. Temperature	60 - 70'c



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**SPECIFICATION**

**COMMODITY : Wheat Starch**

**ORIGIN : Europe**

**PACKING : 25Kgs Bag**

**BRAND : (AMILINA)**



CHARACTERISTICS	SPECIFICATION
Moisture	13.0% max
Ash Content (dry matter)	0.25% max
Total Protein Content (dry matter)	0.34% max
Wet screening (dry matter, residue on 125um)	0.005% max
Residue on 200 um sieve	2.0% max
Maximum viscosity	400 BU min
Ph	6.0 - 6.9
*Microbiological analysis	
Total bacteria Count	10,000 cfu/g max
Yeasts	500 cfu/h max
Moulds	500 cfu/h max
Salmonella	Negetive
E.Coli	Negetive



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**SPECIFICATION**

**COMMODITY : Wheat Gluten**

**ORIGIN : China**

**PACKING : 25Kgs Bag**



CHARACTERISTICS	SPECIFICATION	METHOD
<b>Organoleptic Data</b>		
Appearance & Color	Light yellow powder	Normal taste, grain sweet smell
<b>Process Data</b>		
Protein	Min.82% (N.x6.25 on dry basis)	GB/T5511
Fat	Max.1.3% (on dry basis)	GB/T5009.6-2003
Ash	Max.1.0% (on dry basis)	GB/T5505
Moiture	Max.8%	GB/T5497
Mesh Size	Min.95% Sieve 80 mesh	GB/T5507
<b>Physical Characteristics</b>		
Form	Powder	Heavy Metals
<b>Heavy Metals</b>		
Chromium (Cr)	≤ 0.05mg/kg	GB5009.12-2010
DDT	≤ 0.1mg/kg	WM2-2001
BHC	≤ 0.1mg/kg	WM2-2001
<b>Microbiology</b>		
Total Yeast	35 CFU/g	GB/T4789.15-2003
Mold	50 CFU/g	GB/T4789.15-2003
E.Coli	Negative	SN0169-92
Salmonella	Negative	SN0170-1992
Staphylococcus	< 3 MPN/g	SN0170-1992
Aflatoxin (G2+G1+B2+B1)	Not detected	GB/T 18979-2003
Melamine	Not detected	GB/T22388-2008
Packing & Storage	25Kgs Bag & Leave in the shady and cool dry place	
Expiration Date	2 Years When Stored Properly	