

189119

Miwon



Certificate Number QS 1515

NO : 4 /MSG-EXP/I/2017
DATE : JANUARY 16, 2017

CERTIFICATE OF ANALYSIS

We hereby certify that the analysis stated below are true and correct

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|---------------------|---|--|------------------|
| 1. COMMODITY | : | MSG (Mono Sodium Glutamate) | |
| 2. BUYER NAME | : | DAESANG EUROPE B.V. | |
| 3. QUANTITY | : | 21.0000 MTS | |
| 4. PACKING | : | 25KGS NET PAPER BAG | |
| 5. CRYSTAL SIZE | : | SMALL CRYSTAL (40 – 80 MESH) | |
| 6. INVOICE NUMBER | : | EXP 004/2017 | |
| 7. DESTINATION | : | ROTTERDAM, NETHERLAND | |
| 8. SAILING DATE | : | JANUARY 12, 2017 | |
| 9. P/O NO | : | 7002632 | |
| 10. BATCH NUMBER | : | 12314 (831 BAGS) | 014061 (9 BAGS) |
| CONTAINER NUMBER | : | UACU 3444069 | UACU 3444069 |
| 11. PRODUCTION DATE | : | DECEMBER 14, 2016 | JANUARY 06, 2017 |
| 12. EXPIRY DATE | : | DECEMBER 14, 2019 | JANUARY 06, 2020 |
| 13. SPECIFICATION | : | Conforms to E231/2012 and FCC Specifications | |

NO	I T E M	SPECIFICATION	RESULT	
			123141	014061
1	Appearance	Clear & Colorless	Clear & Colorless	Clear & Colorless
2	Identification test	Conforms to Standard	AOAC	AOAC
3	Assay	Min. 99.0 %	99.26	99.30
4	Specific rotation*)	+24.8 – +25.3	+24.86	+24.86
5	PH (5 % solution)	6.7 – 7.2	6.86	6.78
6	Loss on drying	Max. 0.5 %	0.11	0.16
7	Arsenic (As)*)	Max. 2 ppm	< 0.001	< 0.001
8	Heavy metal *)	Max. 10 ppm	1.34	1.34
9	Lead (Pb)*)	Max. 1 ppm	< 0.50	< 0.50
10	Chloride (Cl)	Max. 0.04 %	0.0074	0.0181
11	Foreign matter	Negative	Negative	Negative
12	Pyrrolidone carboxylic acid*)	Max. 0.2 %	< 0.01	< 0.01
13	Total aerobic bacteria*)	Max. 1,000 cfu/g	53	53
14	Yeast & Mold*)	Max. 100 cfu/g	< 10	< 10
15	Coliform *)	Negative	Negative	Negative
16	E. Coli*)	Negative	Negative	Negative
17	Salmonella*)	Negative/ 25 g	Negative	Negative
18	Particle size distribution			
	Mesh 40 Up	Max. 10.0 %	8.10	5.60
	40 – 60	Min. 70.0 %	74.40	70.40
	60 – 80		16.00	22.10
	80 – 100		1.40	1.80
	100 Dn	Max. 15 %	0.00	0.00

*) external analysis every 6 months

Prepared by,

PT MIWON INDONESIA

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HEAD OFFICE:

Jl. Perintis Kemerdekaan No.1-3, Pulo Gadung, Jakarta 13260 – Indonesia
Tel.(62-21) 4786-3124 Fax.(62-21) 4786-3146

FACTORY:

Kec. Driyorejo, Kab. Gresik 61177, Jawa Timur – Indonesia

Tel.(62-31) 750-7888, 759-0040 Fax.(62-31) 750-7595, 759-0039