

## CERTIFICATE OF ANALYSIS

Product Name:	Monosodium glutamate 99%min		
CAS No.:	32221-81-1	Quantity	110MT
Rep Date	APR 24, 2014	Batch NO.	20140424
MFG. Date	APR 24, 2014	Expiry Date	APR 23, 2017

Item	Specifications	Result
Appearance	Whitish,small crystals	Whitish,small crystals
Aroma	None	None
Flavor	Slightly sally	Slightly sally
Content	$\geq 99.0\%$	99.5%
Chloride	$\leq 0.04\%$	$< 0.04\%$
Loos on drying	$\leq 0.3\%$	0.10%
Sulphate	$\leq 0.05\%$	$< 0.05\%$
Transmittance	$\geq 98.0\%$	98.7%
Pecific rotation [α] D20%	+24.9°-+25.3°	+25.04°
Iron	$\leq 5\text{ppm}$	$< 5\text{ppm}$
Heavy metals (as Pb)	$\leq 10\text{ppm}$	$< 10\text{ppm}$
Arsenic (As)	$\leq 1.5\text{ppm}$	$< 1.5\text{ppm}$
PH	6.7-7.2	7.1
Pyrrolidoncarboxyl acid	$\leq 0.2\%$	$< 0.2\%$
Lead(Pb)	$\leq 1\text{ppm}$	$< 1\text{ppm}$

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Total plate count	$\leq 500/g$	$< 100/g$
Mould count	$\leq 100/g$	None
Yeast count	$\leq 100/g$	None
Coliforms	$\leq 3/g$	None
Salmonella	Negative in 25g	None
Pathogenic bacteria	Absent	Absent
E.coli	Negative in 25g	None
Conclusion	The results conforms with GB-T8967-2007.FCCV and E 621 standards.	