BIOISCO Co., Ltd.
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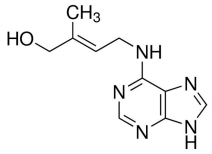
CERTIFICATE OF ANALYSIS

Product:	**Trans-zeatin**
Catalog Number：	**1637-39-4**
Molecular Formula：	**$C_{10}H_{13}N_5O$**
Molecular Weight：	**219.24**
Lot No.:	**210138**
Expiry Date:	***08/2022***
Storage:	**-10-0°C (short term), -20°C (long term), desiccated**
Description:	**Trans-Zeatin belongs to the plant hormone family known as 'cytokinins', which regulate cell division, development,and nutrient processing. Cytokininins, including trans-Zeatin are pivotal in governing overall plant size and can extend the plant photosynthesis by delaying leaf aging and death**
Structural formula：	

TESTS	SPECIFICATIONS	RESULTS	UNITS	REMARKS
Appearance：	White crystalline powder	complies		practically odourless
Identification(HNMR)：	Conform to the reference spectrum	complies		
Residue on ignition：	NMT:0.1	0.03	%	
Total impurities：	NMT:2.0	0.82	%	HPLC，268nm
Loss on drying：	NMT:0.5	0.28	%	80℃，2h vacuum
Melting point：	207-214	213	℃	
EA：	C: 53.68~55.88 H:5.86~6.10 N: 31.30~32.58	54.77 5.99 32.10	%	
Purity：	NLT:98	99.18	%	HPLC,268nm

NMT: Not more than; NLT: Not less than; MT: More than; LT: Less than Conclusion: approved

Quality Inspector