

**CERTIFICATE OF ANALYSIS**

<b>Product Name:</b>	Ketone Ester	<b>Manufacture:</b>	ZHENYIBIO
<b>Batch No.:</b>	ZYSW20221106	<b>Manufacture Date:</b>	2022.11.06
<b>Quantity:</b>	10kg	<b>Expired Date:</b>	2024.11.05
<b>CAS.NO:</b>	1208313-97-6	<b>MF:</b>	C <sub>8</sub> H <sub>16</sub> O <sub>4</sub>
<b>Standard:</b>	Enterprise Standard	<b>Shelf life:</b>	2years

Analysis Items	Specification	Result
Purity(gc),(%)	≥97.5	98.45
Appearance	Transparent liquid	Conform
Identification	NMR confirms to structure	Conform
GCMS	Conforms to MW	Conform
Ethyl (R) 3-hydroxybutyrate	≤0.5%	0.12%
(R)-1,3-butanediol	≤2.0%	0.12%
(R)-4-ethoxy-4-oxobutan-2-yl (R)-3-hydroxybutanoate	≤1.5%	0.64%
Heavy metals	≤10ppm	Conform
Pb	≤0.5ppm	Conform
As	≤1.5ppm	Conform
Cd	≤0.5ppm	Conform
Hg	≤3.0ppm	Conform

Conclusion: Conform to Specification

Storage:Store in a well-closed container away from moisture,direct light and heat.

Inspector:Liuqiang

Reexamining:Zhangguangchao

Verification:Miaoyu