

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>(S)-2-Benzylsuccinic acid CAS: 3972-36-9</b>		
Batch no.	191202BA	Batch Size	50.7kg
Manufacture Date	Dec.06,2019	Report Date	Dec.06,2019
Retest Date	Dec.05,2021	Specification	Customer criteria
<b>Test Items</b>	<b>Specifications</b>		<b>Results</b>
Appearance	White or almost white crystalline powder		White crystalline powder
Identification			
Melting point	158-164°C		163-164°C
Water	≤0.5%		0.12%
Isomer	≤0.15%		0.08%
Related substances	Diethylsuccinate ≤0.1%		N.D
	Benzaldehyde ≤0.1%		N.D
	2-Benzylidenesuccinic acid ≤0.1%		N.D
	Maximum single impurity ≤0.5%		0.12%
	Total impurities ≤1.0%		0.16%
Residual solvents	Methanol ≤3000ppm		N.D
	Ethanol ≤5000ppm		N.D
	Dichloromethane ≤600ppm		N.D
Purity	≥99.0%		
Conclusion	Conforms to Enterprise standard		

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