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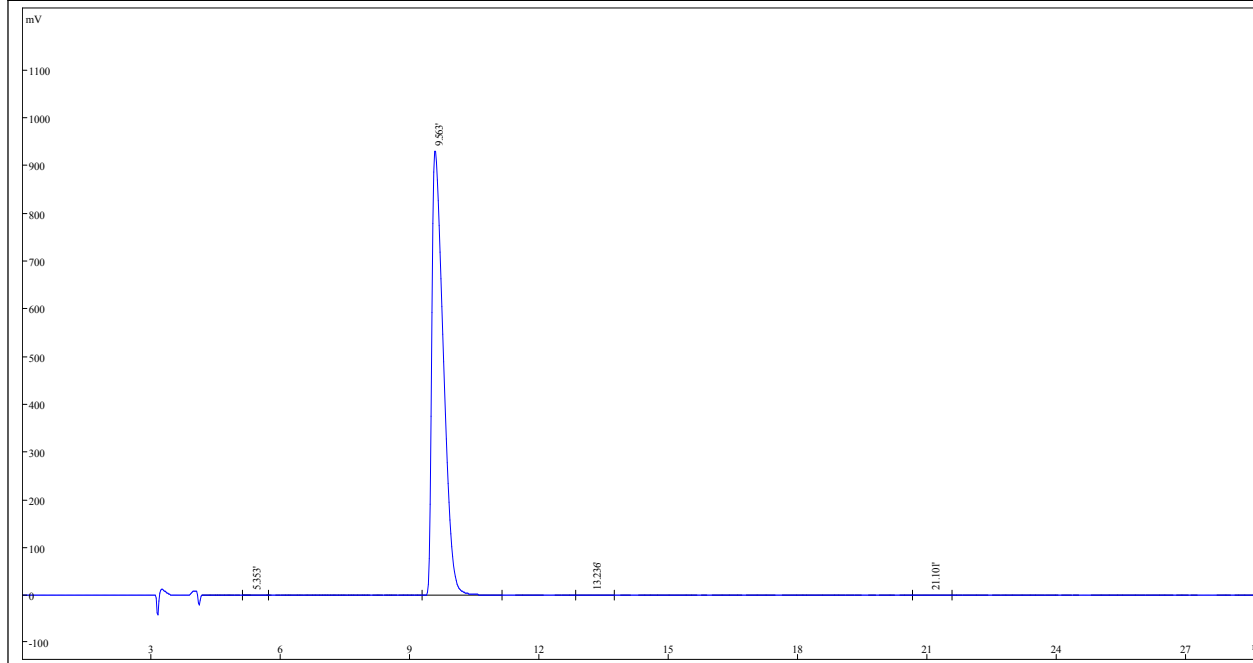
成都瑞芬思生物科技有限公司

Batch NO: C-045-171212

**Certificate Of Analysis**

<b>Chinese Name</b>	川芎嗪	<b>Botanical Source</b>	Ligusticum wallichii
<b>English Name</b>	Tetramethylpyrazine	<b>CAS Number</b>	1124-11-4
<b>Mol. Formula</b>	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub>	<b>Mol. Weight</b>	136.19
<b>Solubility</b>	Methanol、 water	<b>Appearance</b>	White crystal
<b>Loss on drying</b>	≤2.0%	<b>Purity</b>	99.90%
<b>QC</b>	RP-HPLC:乙腈 : 0.2%磷酸=5:95 波长 280nm 白色粉末 2.1mg/ml 甲醇+水溶样 5ul		
<b>Structure</b>			

**Tetramethylpyrazine HPLC**



Peak#	Ret time[min]	Area%	Area	Height	Resolution	N	Effective plate number	T
1	5.353	0.04538	7877	390	8.18	1639	0	1.10
2	9.563	99.9	17338326	936019	6.10	6220	1205	2.07
3	13.236	0.02946	5114	191	11.83	5703	2023	1.00
4	21.101	0.02797	4855	209	0.00	19252	10722	1.05
<b>Total</b>		100	17356172	936809				

<b>Storage</b>	Stored without light and heat. Stored in cool, dry , airproof and innocuous conditions
<b>Remarks</b>	即配即用, 仅限于实验时使用, 不能用于人体。 如遇质量问题, 请于收到产品之日起 15 日内与我们联系。 Namely with the use, only in the experimental use, can not be used for the human body. In case of quality problems, please contact us within 15 days from the date of receipt of the product.

Review date : 2017-12-12

Report date : 2017-12-12

Operator: Chenli

Q.C manager: Zhengxin