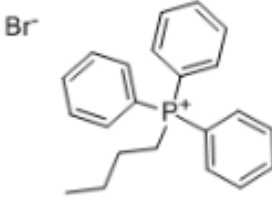


**ZIBO KUNRAN ENTERPRISES CO LTD.**

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Contacts: Mona Zhang Mail: [monazhangchem@163.com](mailto:monazhangchem@163.com) Skype: monazhangchemTel: 86-533-5200669 Fax: 86-533-5207669 URL: [Http://www.kunranchem.com](http://www.kunranchem.com)**CERTIFICATE OF ANALYSIS**

<b>Product Name</b>	Butyltriphenyl Phosphonium Bromide CAS NO.: 1779-51-7		
<b>Lot No.</b>	KRP2020030503	<b>Lot QTY</b>	850KG
<b>Test Date</b>	5 <sup>th</sup> Mar. 2017	<b>Retest Date</b>	4 <sup>th</sup> Mar. 2021
<b>Test Results</b>			
<b>Items</b>	<b>Specifications</b>	<b>Results</b>	<b>Test Method</b>
<b>Appearance</b>	White to off-white crystalline powder	Complies	Visual
<b>Purity(%)</b>	≥99.0	99.59	HPLC
<b>Water (%)</b>	≤0.50	0.08	K.F
<b>Melting Point (°C)</b>	238.0-242.0	241	JISK0064
<b>Structure</b>			
<b>Conclusion</b>	<b>Qualified</b>		

Analyst: Jiang Ru    Checked by: Zheng Fayin    Audited by: Wang Changbo