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### Certificate of Analysis

Product: Cinnamon Bark Oil  
 Botanical name: *Cinnamomum cassia*  
 CAS number: 8007-80-5  
 Origin: China  
 Batch number: 1501877  
 Date of MFG: SEPT-2016  
 Expiration date: SEPT-2019

Parameters	Specification	Results
Colour	Pale yellow to reddish brown clear liquid	Complies
Odour	Characteristic of Cinnamon cassia oil	Complies
Specific gravity / (g/cm <sup>3</sup> ) @20°C	1.0450 - 1.0630	1.0551
Refractive index @ 20°C	1.6 – 1.6150	1.6065
Optical rotation @ 20°C	-1.0° ~ +1.0°	-0.8°
<b>Main constituents- GC</b>		
Chemical Name	Specification	Results
Trans- Cinnamic Aldehyde	65%~88%	80.01%
Coumarin	0.5%~0.4%	0.96%

Storage:  
 Store in well-filled, tightly sealed containers, in a cool dry place, away from direct sunlight. Avoid contact with iron.

Computer generated certificate of analysis does not require a signature.