



ISO 9001 CERTIFIED  
ISO 13485 CERTIFIED

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CERTIFICATE OF QUALITY

**Product:** SAPONIN  
**Grade:** REAGENT GRADE  
**Code:** 0163  
Appearance: Off-white to tan powder.  
Mol. Formula: Not Applicable  
Mol. Weight: Not Applicable

Description:

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Ash		10	%	PASS
Loss on Drying		10	%	PASS
pH (20%, Water) @25C	4.2	4.6		PASS
Solubility (20%, Water)	PASS		P/F	PASS

Storage: Store at room temperature. Protect from moisture.

0163RG

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature:

Title:

QC MANAGER

Date:

7/11/2012