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-CERTIFICATE OF ANALYSIS-

Product: Phleomycin
 Code No: BI3852
 CAS No: 11006-33-0
 Batch No: AS431067

	Specifications	Results
Physico-chemical characteristics		
• <i>Appearance</i>	Light blue powder	Conform
• <i>OD (2.4mg/mL at 244nm)</i>	0.961 ± 0.15	1.074
Microbiological assays		
• <i>MIC on a panel of sensitive bacteria :</i>	µg/mL	µg/mL
- <i>Bacillus subtilis</i> ATCC 6633	≤ 9	3
- <i>E.coli</i> DH5 alpha	≤ 9	0.9
- <i>E.coli</i> Top10	≤ 9	0.9
- <i>E.coli</i> GT116	≤ 9	3
• <i>MIC on a panel of resistant bacteria :</i>	µg/mL	µg/mL
- <i>E.coli</i> GT116 pCLEF35 Sh	> 300	> 300
- <i>E.coli</i> GT116 pCLEF35 ShS	> 300	> 300
- <i>E.coli</i> Top10 pcDNA/Zeo	> 300	> 300
Cytotoxicity on referenced Cell lines		
• <i>Sensitive cell lines :</i>	µg/mL	µg/mL
- B16	≤ 24	12
- 293 PS	≤ 24	12
• <i>Resistant cell lines :</i>	µg/mL	µg/mL
- 293PS/hFADD c1	> 96	> 96

Verified by: David Parton

Signed:

Date: 22nd January 2015