**CERTIFICATE OF ANALYSIS**

**CERTIFICATE No:** CAN/2016-2017/80

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| **PRODUCT** | COSIL (R)- 228.5 DRY POWDER FOR SUSPENSION | | **REF. NO: NDQD201604857** |
| **DATE RECEIVED:** 12-04-2016 | **LABEL CLAIM:** | Each 5 mL (after reconstitution) contains Amoxicillin Trihydrate USP equivalent to Amoxicillin 200 mg, Clavulanate Potassium USP equivalent to Clavulanic Acid 28.5 mg. | |
| **BATCH NO.:** YCD 050915 | **PRESENTATION:** | Off white granulated powder for reconstitution into suspension for oral administration contained in a 70 mL translucent plastic bottle in a unit box. | |
| **MFG. DATE:** Sep. 2015 | **MANUFACTURER:** | COSMOS Limited. | |
| **EXP. DATE:**  Aug. 2017 | **ADDRESS:** | Rangwe Rd; Off Lunga Lunga Road, P.O. Box 41433 - 00100, Nairobi, KENYA. | |
| **CLIENT REF NO:** | **CLIENT:** | Cosmos Ltd., P.O Box 41433, Nairobi,Kenya | |
|  | **TEST(S) REQUESTED:** | Microbial Load, Identification, Assay, Acidity/Alkalinity | |

**RESULTS**

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| **TEST** | **METHOD** | **COMPEDIA** | **SPECIFICATION** | **DETERMINED** | **REMARKS** |
| **Microbial Load** | Plate Count Method | BP 2016 Vol. V App. XVI B | Total Aerobic Microbial Counts (TAMC) NMT 200 CFU/mL | < 10 CFU/mL | **COMPLIES** |
| **Microbial Load** |  |  | Total Combined Yeast/Moulds Counts( TYMC) NMT 20 CFU/mL | < 10 CFU/mL | **COMPLIES** |
| **Identification** | HPLC | USP 38 NF 33 Page 2226 | RT of the component peaks in the assay sample preparation corresponds to those in the assay standard preparation | Super-imposable peak at RT 2.6 and 4.2 -/+ 10% min. present in both the assay sample and standard preparations | **COMPLIES** |
| **Acidity/Alkalinity** | pH | USP 38 NF 33 Page 2226 | 3.8 - 6.6 | 4.4 | **COMPLIES** |
| **Assay** | HPLC | USP 38 NF 33 Page 2226 | Amoxicillin 90.0 - 120.0% Clavulanic Acid 90.0 - 125.0% | Amoxicillin Day 1 105.4% (RSD=1.1%, n=6) | **COMPLIES** |
| **Assay** |  |  |  | Day 7 105.3% (RSD=0.6%, n=8) | **COMPLIES** |
| **Assay** |  |  |  | Clavulanic acid Day 1 122.4% (RSD=0.4%, n=9) | **COMPLIES** |
| **Assay** |  |  |  | Day 7 101.0% (RSD=0.8%, n=9) | **COMPLIES** |

**CONCLUSION:** The sample complies with the specifications of the tests performed.

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| **ANALYST:** | MR. F. NAULA | .......................................................... | DATE: 04-13-2016 |
| **ANALYST:** | DR. J. CHEPCHUMBA | .......................................................... | DATE: 04-18-2016 |
| **ANALYST:** | DR. M. KWENA | .......................................................... | DATE: 07-19-2016 |
| **ANALYST:** | ERNEST MBAE | .......................................................... | DATE: 08-24-2016 |
| **DIRECTOR:** | HEZEKIAH CHEPKWONY | .......................................................... | DATE: 09-05-2016 |