**CERTIFICATE OF ANALYSIS**

**CERTIFICATE No:** CAN/2016-2017/854

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| **PRODUCT** | COSIL(R)-1000 FILM COATED TABLETS | | **REF. NO: NDQD201601654** |
| **DATE RECEIVED:** 14.01.2016 | **LABEL CLAIM:** | Each film coated tablet contains Amoxicillin Trihydrate USP equivalent to amoxicillin 875 mg and Clavulanate Potassium USP equivalent to Clavulanic acid 125 mg. | |
| **BATCH NO.:** YCO 090915 | **PRESENTATION:** | Beige coloured, caplet shaped, biconvex faced, sharp edged tablets, single scored on one face, packed in an aluminium foil strip of 10 tablets in a unit box. | |
| **MGF. DATE:** Sep. 2015 | **MANUFACTURER:** | COSMOS Limited. | |
| **EXP. DATE:**  Aug. 2017 | **ADDRESS:** | Rangwe Rd; Off Lunga Lunga Rd, P.O. Box 41433 - 00100, Nairobi, KENYA. | |
| **CLIENT REF NO:** | **CLIENT:** | Cosmos Ltd., P.O. Box 41433 - 00100, Nairobi, KENYA. | |
|  | **TEST(S) REQUESTED:** | Uniformity of Weight, Identification, Dissolution, Assay | |

**RESULTS**

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| **TEST** | **METHOD** | **COMPEDIA** | **SPECIFICATION** | **DETERMINED** | **REMARKS** |
| **Uniformity of Weight** | Weight | BP 2016 Vol. V App XII C | NMT 2 tablets deviate by more than 5% from mean tablet weight | None Deviates | **COMPLIES** |
| **Identification** | HPLC | USP 38 NF 33 Page 2227 | RT of the component peaks in the assay sample preparation correspond to those in the standard preparation | Super-imposable peaks at RT 2.5 and 4.1 -/+ 10% min present in both the assay sample and standard preparations | **COMPLIES** |
| **Dissolution** | HPLC | USP 38 NF 33 Page 2227 | Amoxicillin No tablet less than 90% (n=6) | Amoxicillin Average 111% Range | **COMPLIES** |
| **Dissolution** |  |  | Clavulanic Acid No tablet less than 85% (n=6) | 108% - 114% (RSD=2.0%, n=6) | **COMPLIES** |
| **Dissolution** |  |  |  | Clavulanic acid Average 96% Range |  |
| **Dissolution** |  |  |  | 93% - 100% (RSD=2.6%, n=6) |  |
| **Assay** | HPLC | USP 38 NF 33 Page 2227 | 90.0 - 120.0% | Amoxicillin 113.1% (RSD=0.7%, n=9) | **COMPLIES** |
| **Assay** |  |  |  | Clavulanic acid 110.2% (RSD=1.6%, n=9) | **COMPLIES** |

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

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| **ANALYST:** | DR. J. CHEPCHUMBA | .......................................................... | DATE: 20-05-2016 |
| **ANALYST:** | DR. N. MWAURA | .......................................................... | DATE: 11-06-2016 |
| **ANALYST:** | ERNEST MBAE | .......................................................... | DATE: 07-04-2016 |
| **DIRECTOR:** | HEZEKIAH CHEPKWONY | .......................................................... | DATE: 07-20-2016 |