**CERTIFICATE OF ANALYSIS**

**CERTIFICATE No:** CAN/2016-2017/152

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| **PRODUCT** | JULMENTIN ES POWDER FOR ORAL SUSPENSION | | **REF. NO: NDQD201607053** |
| **DATE RECEIVED:** 28-07-2016 | **LABEL CLAIM:** | Each teaspoonful (5 mL) of the reconstituted suspension contains: Amoxicillin 600 mg as Amoxicillin Trihydrate and Clavulanic Acid 42.9 mg as Clavulanate Potasium | |
| **BATCH NO.:** 0059 | **PRESENTATION:** | Off white coloured, free flowing powder for reconstitution into suspension for oral administration contained in 100 mL amber coloured glass bottle with a white child proof plastic lid packed along with a 15 mL graduated plastic dispensing cup in a printed box. | |
| **MFG. DATE:** Mar. 2016 | **MANUFACTURER:** | GULF Pharmaceutical industries. | |
| **EXP. DATE:**  Mar. 2018 | **ADDRESS:** | Ras Al Khaimah, UAE. | |
| **CLIENT REF NO:** | **CLIENT:** | Goodman Agencies Ltd., P. O. Box 38823 - 00623, Nairobi, KENYA. | |
|  | **TEST(S) REQUESTED:** | Microbial Load, Identification, Assay, Acidity/Alkalinity | |

**RESULTS**

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| **TEST** | **METHOD** | **COMPEDIA** | **SPECIFICATION** | **DETERMINED** | **REMARKS** |
| **Microbial Load** | Microbial Load | BP 2016 Vol. V App XVI B | Total Aerobic Microbial Counts (TAMC) NMT 200 CFU/mL Total Combined Yeast/Moulds Counts (TYMC) NMT 20 CFU/mL | < 10 CFU/mL | **COMPLIES** |
| **Microbial Load** |  |  |  | < 10 CFU/mL | **COMPLIES** |
| **Identification** | HPLC | USP 38 NF 33 page 2226 | RT of the Major Peaks in the assay sample preparation corresponds to those in the assay standard preparation | Super-imposable peaks at RT 4.9 & 7.6 -/+ 10% min. present in both the assay sample and standard preparations | **COMPLIES** |
| **Assay** | HPLC | USP 38 NF 33 page 2226 | 90.0 - 120.0% | Amoxicillin Day 1 94.1% (RSD=0.6%,n=6) Day 7 91.7% (RSD=0.6%,n=6) | **COMPLIES** |
| **Assay** |  |  | 90.0 - 125.0% | Clavulanic Acid Day 1 116.2% (RSD=0.5%,n=6) Day 7 115.8% (RSD=0.3%,n=6) | **COMPLIES** |
| **Acidity/Alkalinity** | pH | USP 38 NF 33 page 2226 | 3.8 - 6.6 | 6.5 | **COMPLIES** |

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

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| **ANALYST:** | LORNA WANGARI | .......................................................... | DATE: 08-01-2016 |
| **ANALYST:** | FRANCIS NAULA | .......................................................... | DATE: 08-01-2016 |
| **REVIEWER** | DR. GEORGE WANG'ANG'A | .......................................................... | DATE: 30-09-2016 |
| **ANALYST:** | ERNEST MBAE | .......................................................... | DATE: 10-03-2016 |
| **DIRECTOR:** | HEZEKIAH CHEPKWONY | .......................................................... | DATE: 10-07-2016 |