**CERTIFICATE OF ANALYSIS**

**CERTIFICATE No:**  CAN/2016-17/XYZ

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| **PRODUCT** | LONARTÂ® 20/120 POWDER for ORAL SUSPENSION | | REF. NO: NDQD201508181 |
| **DATE RECEIVED:** 24.08.2015 | **LABEL CLAIM:** | Each 5 ml suspension after reconstitution contains; Artemether 20 mg, Lumefantrine 120 mg & Excipients q.s. | |
| **BATCH NO.:** LG-311 | **PRESENTATION:** | Yellow powder for reconstitution into suspension for oral administration, contained in a 60 mL transluscent plastic bottle, packed along with a 15 mL transparent plastic measuring cap in a unit box. | |
| **MGF. DATE:** Feb. 2014 | **MANUFACTURER:** | BLISS GVS Pharma. | |
| **EXP. DATE:** Jan. 2016 | **ADDRESS:** | 10, Dewan Udyog Nagar, Aliyali, Palghar, Maharashtra - 401 404, INDIA. | |
| **CLIENT REF NO:** | **CLIENT:** | Pharmacy Board Of Sierra Leone, Central Medical Stores, Free Town, SIERRA LEONE | |
|  | **TEST(S) REQUESTED:** | Microbial Load, Identification, Assay, Acidity/Alkalinity | |

**RESULTS**

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| **TEST** | **METHOD** | **COMPEDIA** | **SPECIFICATION** | **DETERMINED** | **REMARKS** |
| **Microbial Load** | Plate Count | BP 2016 Vol. V App. XVI B | Total Aerobic Microbial Count (TAMC) <200 CFU/mL Total Combined Yeasts /Moulds Count (TYMC) <20 CFU/mL | < 10 TAMC CFU Per mL < 10 TYMC CFU Per mL | **COMPLIES** |
| **Identification** | HPLC | Manufacturer's In-house Method | RT of the component Peaks in the assay sample preparation correspond to those in the assay standard preparation | Super-imposable peak at RT 5.0 -/+ 10% min. present in both the assay sample and standard preparations | **COMPLIES** |
| **Assay** | HPLC | Manufacturer's In-house Method | 90.0 - 110.0% | Artemether 93.0% (RSD = 0.9%; n = 9) | **COMPLIES:COMPLIES** |
| **Assay** | HPLC | Manufacturer's In-house Method | 90.0 - 110.0% | Lumefantrine 103.3% (RSD = 1.0%; n = 6) | **COMPLIES:COMPLIES** |
| **Acidity/Alkalinity** | pH | Manufacturer's In-house Method | 3.0 - 5.0 | 4.2 | **COMPLIES** |

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

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| ANALYST: | DR. G. WANG'ANG'A |  | DATE:21-12-2015 |
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| ANALYST: | ERNEST MBAE |  | DATE:01-06-2016 |
| DIRECTOR: | HEZEKIAH CHEPKWONY |  | DATE:01-15-2016 |