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| *Article No.:* | **910002980000** | |
| *Product Name:* | **Guarana Seed Dry Extract** | |
| *Latin Name:*  *Used Part:*  *Extraction solvent:*  *Excipients:*  *Ratio plant/extract:*  *Solubility:*  *Particle Size:*  *Tapped Density:* | *Paullinia cupana Kunth*  **Seed**  **Water**  **Maltodextrin**  **4/1 (indicative)**  **Water soluble (1g/200 mL)**  **>= 90% goes through sieve nr. 500 µm (sieve method Eur. Ph.)**  **About 0.5 g/ml** | |
| **Parameter** | | **Specification** |
| **Characters** | | Brownish, fine powder |
| **Content** | | 10.0 – 12.0% caffeine (natural) |
| **Loss on drying (3 hours – 105oC)** | | ≤ 5% |
| **Heavy metals (Atomic absorption)** | | ≤ 10 ppm (Pb <3ppm,  Cd <1ppm, Hg <0.1ppm) |
| **Total plate count** | | ≤ 5\*10,000 cfu/g |
| **Yeast & Mold** | | ≤ 500 cfu/g |
| **Enterobacteriacea** | | ≤ 100 cfu/g |
| **E. coli** | | Absence/g |
| **Salmonella** | | Absence/25 g |
| **Pestizide** | | konform VO 396/2005und Zusatzartikel |
| **Aflatoxine** | | < 5 ppb Aflatoxin B1  < 10 ppb Gesamtaflatoxine (B1, B2, G1, G2) |
| **PAK** | | konform VO 1933/2015/CE |
| **GMO-Statement** | | negativ |
| **Allergene** | | negativ |

**Note (according to control plan):**

* **Residual pesticides** comply with Reg 396/2005 and amendments
* **Aflatoxins:**

Control is made on raw material with the following limits:

< 5 ppb aflatoxin B1

< 10 ppb total aflatoxins (sum of B1, B2, G1 and G2)

* **PAH compliance:** The product complies to Reg. 1933/2015/CE

The results were taken from the supplier’S certificate/certificate of conformity.

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# *Mindelheim,* *23.04.2020*