



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

| | |
|------------------------|--------------------------|
| <u>Catalog Number:</u> | 06-021 |
| <u>Product Name:</u> | NARINGIN DIHYDROCHALCONE |
| <u>CAS Number:</u> | [18916-17-1] |
| <u>Lot Number:</u> | 20140418 |

| ITEMS | SPECIFICATION | | RESULTS |
|---------------------------------|-----------------------|-----------|--------------------|
| Maker Compounds | 98.00% | 98.17% | By HPLC |
| Organoleptic | | | |
| Appearance | Fine Powder | Conforms | Visual |
| Color | white | Conforms | Visual |
| Odor | Characteristic | Conforms | Organoleptic |
| Taste | Characteristic | Conforms | Organoleptic |
| Drying Method | Vacuum drying | Conforms | |
| Physical Characteristics | | | |
| Particle Size | NLT100%Through80 mesh | Conforms | AOAC973.03(TQ_106) |
| Loss on Drying | ≅5.0% | 3.70% | TQ-104(105°C/2h) |
| Ash (Sulphated Ash) | ≅2.0% | 0.50% | TQ-104(525°C/3h) |
| Total Heavy Metals | ≅10ppm | Conforms | ICP/MS AOAC 993.14 |
| Arsenic(As) | ≅1ppm | Conforms | ICP/MS AOAC 993.14 |
| Lead(Pb) | ≅1ppm | Conforms | ICP/MS AOAC 993.14 |
| Mercury(Hg) | ≅0.05ppm | Conforms | ICP/MS AOAC 993.14 |
| Cadmium (Cd) | ≅1ppm | Conforms | ICP/MS AOAC 993.14 |
| Microbiological Tests | | | |
| Total Plate Count | ≅10,000cfu/g | 5000cfu/g | AOAC996. 23 |
| Total Yeast & Mold | ≅1,000cfu/g | 100cfu/g | FDA(BAM) 7th Ed. |
| E.Coli | Negative | Negative | USP33,NF28,2010 |
| Salmonella | Negative | Negative | USP33,NF28,2010 |
| Staphylococcus | Negative | Negative | USP33,NF28,2010 |