



The Soap Kitchen (2011) Ltd
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CERTIFICATE OF ANALYSIS

PRODUCT: Potassium Sorbate Granular

CAS NO.: 24634-61-5

QUANTITY: 10200kgs

BATCH NO.: PS20190509

MANUFACTURING DATE: May. 09, 2019

ISSUE DATE: May. 09, 2019

PO NO.: 0000816358

INVOICE NO.: 19KDPS-03-289-UK094

SC NO.: 19KDPS-289-0606

EXPIRY DATE: May. 08, 2021

We hereby certify that the above mentioned goods have been inspected as follows:

| ITEMS | SPECIFICATIONS | TEST RESULT |
|--|--|-------------|
| Appearance | White to off- white granular | Complied |
| Odor | Slight Characteristic odor | Complied |
| Solubility | Freely soluble in water and practically insoluble in ether | Complied |
| Heat stability | No change in color after heating for 90 minutes at 105°C | Complied |
| Identification Test | (1) Potassium test: Passes Test | Complied |
| | (2) Test of double bonds: Passes Test | Complied |
| | (3) UV: conforms with standard spectrum | Complied |
| | (4) Melting range: 133 °C~135°C | Complied |
| Assay (dry weight basis, %) | 99~101.0 | 100.68 |
| PH-Value | 8.5-10.5 | 9 |
| Transmittance (%) | ≥87.0 | 91.27 |
| Clarify | Passes Test | Complied |
| Organic Volatile Impurities | Meet the requirement | Complied |
| Alkalinity (as K ₂ CO ₃ , %) | ≤1 | 0.32 |
| Chloride (as CL, %) | ≤0.018 | <0.018 |
| Sulfate (as SO ₄ , %) | ≤0.038 | <0.038 |
| Loss On Drying (%) | ≤1.0 | 0.18 |
| Aldehyde (as formaldehyde, %) | ≤0.1 | <0.1 |
| Arsenic (as As, mg/kg) | ≤3 | <3 |
| Lead (mg/kg) | ≤2 | <2 |
| Zinc (mg/kg) | ≤0.1 | <0.1 |
| Cadmium (mg/kg) | <0.02 | <0.02 |
| Mercury (mg/kg) | ≤1 | <1 |
| Heavy Metals (as Pb, mg/kg) | ≤10 | <10 |
| Total Count Colony (cfu/g) | ≤100 | <100 |
| Mould&Yeast (cfu/g) | ≤100 | <100 |
| Coliform (cfu/g) | | |
| CONCLUSION | QUA | |