

**CERTIFICATE OF ANALYSIS**  
**QUALITY CONTROL LABORATORY**  
 of SDFCL Mfg. Unit No. 1  
 E27/ E28, MIDC, Tarapur Industrial Area, B-Road, Boisar-401506, Maharashtra

|                        |   |                           |              |
|------------------------|---|---------------------------|--------------|
| <b>LAB. ID</b>         | : RM/1617/2517  | <b>CERTIFICATE NO.</b>    | : 030117/29  |
| <b>NAME OF PRODUCT</b> | : POTASSIUM PERMANGANATE AR, ACS<br>: Meets Analytical Specification of USP |                           |              |
| <b>BATCH NO</b>        | : G19A/2917/0301/31   | <b>DATE OF ANALYSIS</b>   | : 24.07.2019 |
| <b>PRODUCT CODE</b>    | : 20217   | <b>SPECIFICATION REF.</b> | : 20217SP03  |
| <b>MFG. DATE</b>       | : JULY-2019   | <b>RETEST DATE</b>        | : JUNE-2024  |

CASR NO (7722-64-7)

| TEST                               | SPECIFICATIONS  | RESULTS              | TEST METHOD REF.               |
|------------------------------------|---|----------------------|--------------------------------|
| <b>KMnO<sub>4</sub></b>            |   | <b>M.W. : 158.03</b> |                                |
| Description                        | Dark purple or brownish black to almost black crystals with metallic lusture. | Complies             | ACS 10 <sup>th</sup> Edition   |
| Solubility                         | 5% solution in water is clear.  | Complies             | ACS 10 <sup>th</sup> Edition   |
| Identification                     | Passes test.  | Complies             | USP-30                         |
| Assay<br>(Iodometric)              | 99.5 – 100.5%   | 99.60%               | USP-30                         |
| Loss on drying<br>(on silica gel)  | Max. 0.5%   | 0.18%                | USP-30                         |
| <b>MAXIMUM LIMIT OF IMPURITIES</b> |   |                      |                                |
| Insoluble matter                   | 0.2%  | < 0.2%               | USP-30                         |
| Chloride (Cl)                      | 0.005%  | < 0.005%             | ACS 10 <sup>th</sup> Edition   |
| Nitrogen compounds (N)             | 0.005%  | <0.005%              | Analar 8 <sup>th</sup> Edition |
| Sulphate (SO <sub>4</sub> )        | 0.01%   | < 0.01%              | ACS 10 <sup>th</sup> Edition   |
| Iron (Fe)                          | 0.002%  | <0.002%              | Analar                         |
| Lead (Pb)                          | 0.002%  | <0.002%              | Analar                         |

THE ABOVE BATCH MATERIAL COMPLIES WITH THE PRESCRIBED QUALITY OF THE STANDARD AS STATED ABOVE.

Measured values given in this Certificate of Analysis are the results determined at the time of Analysis.

The above data do not relieve the user from analysing the product upon receipt. Any legally binding assurance regarding the suitability of the product for any particular purpose or use can not be derived thereof.

**The results relate only to the sample tested.**

**This certificate shall not be reproduced except in full, without written consent of the Lab. management.**

**This product is manufactured at our manufacturing unit no. 1 (Boisar).**

**For S D FINE-CHEM LIMITED**

**Sampling SOP No.** : SDFCL-TAR-SWP-GEN-007  
**Sampling Plan** : A (Sq. root of N+1)  
**Spl. Ref. (if any)** : -

(Authorised Signatory)

..... END OF REPORT.....

(This is a computer printed report, valid without signature)