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## **CERTIFICATE OF ANALYSIS**

| Product Name:                                     | trans-1   | ,2-Cyclohexanedica        | Structure: |              |            |
|---|---|---------------------------|------------|--------------|------------|
| Batch No:   | 201608  | 到田音                       | 0          |              |            |
| CAS No:   | 2305-3  | 2-0                       | но         |              |            |
| Manu. Date:                                       | Aug. 10, 2016   |                           |            | HO           |            |
| Report Date:                                      | Aug. 10, 2016   |                           |            |              |            |
| Expiry date                                       | Aug. 09   | 9, 2018                   |            |              |            |
|   |   |                           |            |              |            |
| Item  |   | cification                | Analysis I | Results      | Conclusion |
| Appearance  | Whit<br>pod\  | te or almost white<br>wer | White pov  | White powder |            |
| Water   | ≤0.5  | %                         | 0.25%      | 0.25%        |            |
| Cis acid  | ≤1.0  | %                         | 0.65%      | 0.65%        |            |
| Single unspecified impurity                       | ed ≤1.5   | %                         | 1.1%       |              | conform    |
| Total Impurity                                    | ≤2.0  | %                         | 1.5%       | 1.5%         |            |
| (1S,2S)-<br>cyclohexane-1,2-<br>dicarboxylic acid | 48.0  | 48.0%52.0%                |            | 50.9%        |            |
| Assay   | 98.0  | 98.0%~102.0% 99.4%        |            |              | conform    |
| Storage & Conclusion                              |   |                           |            |              |            |
| Packing   | Pack in 25KG/fiber drum   |                           |            |              |            |
| Storage   | Store in a well-closed place with room temperature and no direct sun light. |                           |            |              |            |
| Conclusion  | Qualified with the specification.   |                           |            |              |            |
|   |   |                           |            |              |            |