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Registered Off. : 101-A, Deep Enclave, Pocket 'D', Ashok Vihar, Phase-III, Delhi-110 052 (India)  
Corporate Off. : 152, Vardhman City Centre, Near Shakti Nagar Underbridge, Delhi-110052 (India)  
Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Lactose monohydrate AR  
**Batch No.** : 226299  
**Date of Mfg** : Feb 2023  
**Date of Exp** : Jan 2028  
**Register No.** : 2023-24  
**Qty of Sample** : 500gm  
**Date of Analysis** : Feb 2023

| S. No | Test Parameters                  | Observed Values | Standard Values          |
|-------|----------------------------------|-----------------|--------------------------|
| 1.    | Description                      | Passes          | White Crystalline powder |
| 2.    | Specific Rotation (10% solution) | + 52.18°        | +52.0° to +52.8°         |
| 3.    | Water                            | 5.4%            | 4.8 - 5.4%               |
| 4.    | Water insoluble matter           | 0.0015%         | Max 0.005%               |
| 5.    | Alcohol soluble impurities       | < 0.2%          | Max 0.2%                 |
| 6.    | Acidity                          | Passes          | Max 0.6 ml N%            |
| 7.    | Sulphated ash                    | < 0.05%         | Max 0.05%                |
| 8.    | Nitrogen compounds               | < 0.02%         | Max 0.02%                |
| 9.    | Iron                             | < 0.0001%       | Max 0.0001%              |
| 10.   | Lead                             | < 0.00005%      | Max 0.00005%             |

**Chief Chemist**