

## Certificate of Analysis

Date of Testing: 2025-01-09 17:43:34

Date of Next Testing: 2026-12-30 17:43:34

Product Name: **Polyvinylpyrrolidone**

CAS Number: 9003-39-8

Specifications & Purity: average Mw 1300000,K88-96

Lot #: A2506157

SKU #: **P110610**

Version: **1**

Analysis #: **454979**

Storage Temperature: Store at 2-8°C

| Parameter                                 | Limit Values                 | Result                       |
|-------------------------------------------|------------------------------|------------------------------|
| Aldehydes                                 | 0-0.05 (%)                   | 0.00 %                       |
| Nitrogen by Elemental Analysis            | 11.5-12.8 (%)                | 12.00 %                      |
| Lead(Pb)                                  | 0-10 (ppm)                   | 0.54 ppm                     |
| Total number of bacteria                  | 0-1000 (cfu/g)               | 2.37 cfu/g                   |
| Ignition Residue                          | 0-0.1 (%)                    | 0.10 %                       |
| Water by Karl Fischer                     | 0-5 (%)                      | 1.40 %                       |
| Total yeasts and molds count(TYMC)        | 0-100 (cfu/g)                | 0.54 cfu/g                   |
| Hydrazine(N <sub>2</sub> H <sub>4</sub> ) | 0-1 (ppm)                    | 0.33 ppm                     |
| K value                                   | 88-96                        | 94.20                        |
| PH(1.0g in 20ml Water)                    | 3-7                          | 6.40000                      |
| Carbon by Elemental Analysis              | 64.7-65.1 (%)                | 64.80 %                      |
| Oxygen by Elemental Analysis              | 14.2-14.6 (%)                | 14.30 %                      |
| Appearance (P110610)                      | White or light yellow powder | White or light yellow powder |



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