

## Certificate of Analysis

Date of Testing: 2022-08-19 10:45:00  
Date of Next Testing: 2024-08-08 10:45:00  
Product Name: **Butvar® B-98 Polyvinyl butyral**  
CAS Number: 63148-65-2  
Specifications & Purity: M.W.40,000-70,000  
Lot #: H2212507  
SKU #: **P105915**  
**Analysis: 092321**  
Storage Temperature: Desiccated

| Parameter  | Limit Values              | Result                    |
|--|---------------------------|---------------------------|
| Hydroxyl Content(Expressed as Polyvinyl Alcohol) | 18-20 (%)                 | 19.30 %                   |
| Solution Viscosity(6% solids in methanol,20°C)   | 6-9 (cP)                  | 6.70 cP                   |
| Acetate Content, ( Polyvinyl Acetate)            | 0-2.5 (%)                 | 1.90 %                    |
| Glass Transition Temperature (Tg)                | 72-78 (°C)                | 75.10 °C                  |
| Volatile matter                                  | 0-5 (%)                   | 3.00 %                    |
| Molecular Weight* (MW)                           | 40000-70000               | 56000.00                  |
| Appearance (P105915)                             | White to Off-White Powder | White to Off-White Powder |
| Butyral Content(Polyvinyl Butyral)               | 0.8                       | 0.8                       |



John Su  
QA & QC Manager