

## Certificate of Analysis

Date of Testing: 2021-10-21 13:17:03  
Date of Next Testing: 2023-10-11 13:17:03  
Product Name: **Butvar® B-98 Polyvinyl butyral**  
CAS Number: 63148-65-2  
Specifications & Purity: M.W.40,000-70,000  
Lot #: J2116547  
SKU #: **P105915**  
**Analysis:** **040555**  
Storage Temperature: Desiccated

| Parameter  | Limit Values              | Result                    |
|--|---------------------------|---------------------------|
| Molecular Weight* (MW)                           | 40000-70000               | 45000.00                  |
| Hydroxyl Content(Expressed as Polyvinyl Alcohol) | 18-20 (%)                 | 19.20 %                   |
| Solution Viscosity(6% solids in methanol,20°C)   | 6-9 (cP)                  | 7.00 cP                   |
| Acetate Content, ( Polyvinyl Acetate)            | 0-2.5 (%)                 | 1.70 %                    |
| Glass Transition Temperature (Tg)                | 72-78 (°C)                | 74.52 °C                  |
| Volatile matter                                  | 0-5 (%)                   | 3.50 %                    |
| Appearance (P105915)                             | White to Off-White Powder | White to Off-White Powder |
| Butyral Content(Polyvinyl Butyral)               | 0.8                       | 0.8                       |



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QA & QC Manager