



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-358075  
Lot Number: SAMPLE  
Product Name: Bromfenac monosodium salt sesquihydrate  
CAS Number: 120638-55-3 (anhydrous)  
Molecular Formula:  $C_{15}H_{11}BrNNaO_{3.5} \cdot H_2O$   
Molecular Weight: 374.17

| Test                    | Specification                       | Result                    |
|-------------------------|-------------------------------------|---------------------------|
| Appearance              | Yellow to orange crystalline powder | Yellow crystalline powder |
| Identification (1H-NMR) | In agreement with the structure     | Complies                  |
| Purity (HPLC)           | $\geq 98\%$                         | 98.8%                     |
| Melting Point           | 280 - 295 °C                        | 285 - 292 °C              |
| Heavy Metals            | $\leq 20$ ppm                       | Complies                  |
| Loss on Drying          | 6.5 % - 7.5%                        | 6.79%                     |
| 2-Methoxyethanol        | $\leq 0.005\%$                      | 0.002%                    |
| Acetone                 | $\leq 0.5\%$                        | 0.01%                     |
| Chloride                | $\leq 0.05\%$                       | Complies                  |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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