

We have what it takes

ASSAYS AT 3P BIO

*It's within* US

**PARAMETER**

**ANALYTICAL METHOD**

| <b>PARAMETER</b>                      | <b>ANALYTICAL METHOD</b>                           |                       |
|---------------------------------------|--|-----------------------|
| <b>IDENTITY</b>                       | cIEF   | ✓                     |
|                                       | SDS-PAGE   | ✓                     |
|                                       | HILIC-UHPLC-FLD                                    | ✓                     |
|                                       | Extinction coefficient / AAA                       | Outsourced            |
|                                       | Intact mass analysis                               | ✓                     |
|                                       | Peptide mapping by LC/MS including PTMs (combined) | ✓                     |
|                                       | Western Blot                                       | ✓                     |
|                                       | Electron Microscopy                                | Outsourced            |
|                                       | Edman digestion (Nt)                               | Outsourced            |
|                                       | LC-UV Pep map                                      | ✓                     |
|                                       | Various HPLC methods                               | ✓                     |
|                                       | <b>IMPURITIES</b>                                  | Various types of HPLC |
| SDS-PAGE                              |  | ✓                     |
| Colorimetric methods (comercial kits) |  | ✓                     |
| ELISA                                 |  | ✓                     |
| qPCR                                  |  | ✓                     |
| Mass Spectrometry                     |  | ✓                     |
| 2D gel                                |  | Outsourced            |
| <b>CONTENT</b>                        | Espectrophotometry                                 | ✓                     |
|                                       | Colorimetric methods (Pierce, Bradford, BCA)       | ✓                     |
|                                       | ELISA  | ✓                     |
|                                       | HPLC   | ✓                     |
| <b>POTENCY</b>                        | BioAssay   | ✓                     |
|                                       | Binding Assays                                     | ✓                     |
|                                       | Octet  | ✓                     |
|                                       | Biolayer interferometry                            | Outsourced            |
| <b>SAFETY</b>                         | Viral Safety Testing (ICH Q5A)                     | Outsourced            |
|                                       | Bioburden  | ✓                     |
|                                       | Endotoxins   | ✓                     |
| <b>PHYSICOCHEMICAL</b>                | pH   | ✓                     |
|                                       | Osmolarity   | ✓                     |
|                                       | Colour and clarity                                 | ✓                     |
|                                       | Total organic carbon                               | ✓                     |
|                                       | Conductivity                                       | ✓                     |
| <b>STRUCTURE</b>                      | Circular Dichroism                                 | Outsourced            |
|                                       | Fourier Transform Infrared spectrophotometry       | Outsourced            |
|                                       | Differential Scanning Calorimetry                  | Outsourced            |
|                                       | Analytical Ultracentrifugation                     | Outsourced            |

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