


THE CRUCIAL IMPORTANCE OF OUR CERTIFICATES OF ANALYSIS FOR YOUR APPLICATIONS

Certificates of Analysis (CoAs) represent an essential component of our commitment to the quality and transparency of our products. As a detailed document attesting to the characteristics and compliance of our products for a large range of microfluidic applications, CoAs play a crucial role in ensuring customer satisfaction and preserving our reputation.

Based on our clients' needs, we are capable of conducting highly specific tests for any type of application. Our team is ready to exceed expectations in order to help our clients with any requests they may have.

In our quality control, different tests are carried out to ensure the quality of our products:



Structural characterization

Fourier-transform infrared spectroscopy (FTIR) analyses, NMR (^1H and ^{19}F) analyses and size exclusion chromatography analyses are carried out to verify the chemical structure of our products and to confirm the production of the expected molecule.



Leakage observation

Dye leakage observation is carried out during generation to check the retention of dyes in the droplets and to ensure the success of single cell experiments using dyes.



Thermal stability

The stability of the droplets after 30 PCR heating cycles is checked to ensure the success of ddPCR experiments.

CoAs are more than just technical documents; they embody our commitment to quality, compliance and transparency, essential values that define Emulseo.



RELIABILITY OF INFORMATION

CoAs serve as a guarantee of the accuracy of our product specifications. They provide comprehensive details about the physical and chemical properties, offering an in-depth understanding of the composition of our products. This reliability reinforces our customers' confidence in the quality of the products they choose.



TRACEABILITY

CoAs are essential components in our traceability system from raw materials to customer usage, providing complete visibility into the supply chain. In case of issues, this traceability enables quick and effective intervention, minimizing risks to product quality and safety. Proactive risk management is crucial to maintain our commitment to excellence.



TRANSPARENT COMMUNICATION

CoAs serve as a transparent means of communication, allowing customers to make informed decisions about the use of our products. The clarity of information in CoAs enhances the reputation of our company as a trusted partner.