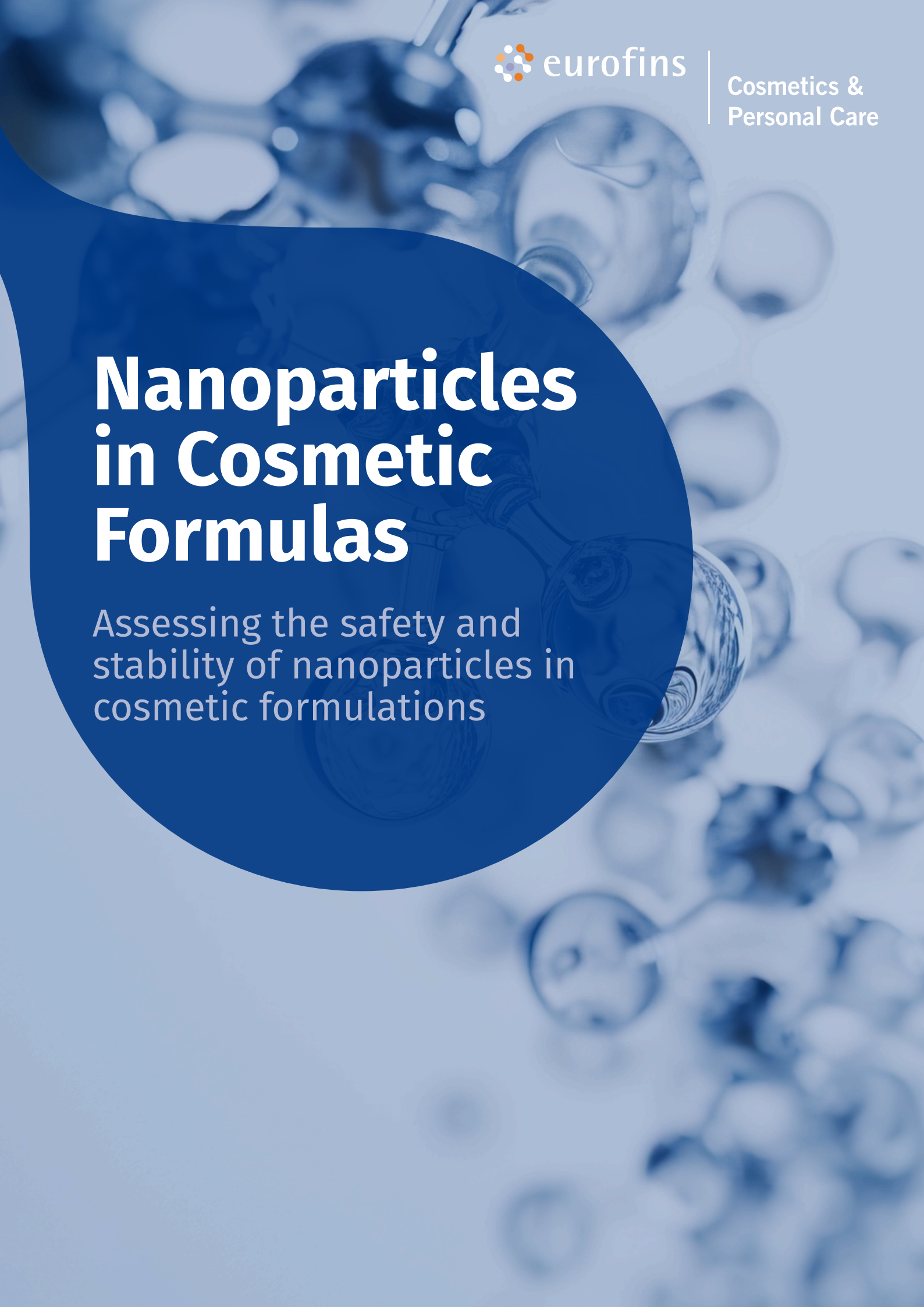

eurofins | Cosmetics & Personal Care

Nanoparticles in Cosmetic Formulas

Assessing the safety and stability of nanoparticles in cosmetic formulations

Nanomaterials offer unique benefits in cosmetics, but demand precise characterization and strict safety evaluation. Eurofins Cosmetics & Personal Care provides an integrated approach combining physico-chemical analysis, *in vitro* safety testing, and accredited expertise to ensure compliant, stable, and safe formulations.

Formula stability

No (Specific) samples preparation

Under GLP

In vitro safety: cytotox, phototox, irritation

- Cytotox
- Phototox
- Eye irritation, vaginal irritation, oral irritation, skin irritation, skin corrosion

Samples preparation (distribution, dispersion...)

According to SCCS guidelines

In vitro safety

Under GLP

- Sensitization
- Genotox
- Chromosomal aberration
- Endocrine disruptors
- Skin Penetration

Analytical part depending on the matrices*

Throughour Accredited labs ISO 17025, ISO 9001

- Detection and chemical composition: ICP-MS
- Physico-chemicalproperties
- Agglomeration/aggregation state: SEM
- Crystallographic structure: TEM
- Surface area / interactions: SEM, TEM, STEM ((Scanning Transmission Electron Microscopy)), AFM (Atomic Force Microscopy), BET
- Surface characterization: SEM, TEM, STEM, AFM, XPS, TOF SIMS
- Diameter: DLS

**MP, PF & packaging*

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