Ana Shanghai (Test)

Welcome to ANA Lab Page, please log in to get more info

Analytical science and measurement technology are important means of revealing principles and solve problems, which **are compass of R&I work**. We start from innovation, take the problem as the core, use various analytical methods and molecular simulation technology to study microscopic mechanisms and product efficacy, overcome challenges and make breakthrough that arises **at each stage of the entire product life cycle,** to explore the scientific world behind the brand.

Shanghai Analytical Laboratory delivers **high-quality win-win** solutions to customers.

We service to the whole value chain by our experts, from corp labs and GBU labs to CTD and plants, as well as key customers.

📖 Learn ANA

- ANA analysis flowchart
- CHROMATOGRAPHY
- Organization Chart
- Spectrophotometer

💡 Analytical Technical Capability

- **Chromatography**
  - Quantitative & qualitative analysis for components, additives, etc.

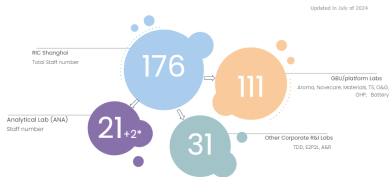
    - HS /SPEM/PY /TD-GC (FID/TCD /MS)

    - LC-UV /ELSD /RID /MS

    - GPC (aqua /solvent phase)

    - IC (anionic /cationic)
- **Spectrophotometer**

😃RIC Shanghai Overview



💡 Mission of Shanghai Analytical Lab

📲 Contact Us

ANA analysis flowchart

Analytical Experts

1. **Jingya Lu**

   Material Analysis Specialist

   More than 7 years working experience in Deformulation of polymers

   Specialist on SEM-EDS, Micro-IR, XRDThe content of this macro can only be viewed by users who have logged in.
2. **Fiona Zhang**

   Deformulation Specialist

   More than 7 years working experience in

   Deformulation of Surfactant Formula

   Specialist on NMR and MS tech.

- Elemental analysis, study of chemical functional groups, etc.

  - FTIR (ATR/transmission)

  - UV/Vis

  - XRD

  - XRF

  - ICP

- **Mass Spectrum**

  - Study of molecules and their fragments.

    Chemical structure for components, monomers, oligomers, addi, etc.

    - GCMS (EI/CI resource)

    - LCMS (SQD/QTOF, ASAP)

- **NMR**

  - Study of atoms and their chemical environment.

Chemical structure of surfactants, polymers, addi, etc.

- 300MHz (H/C/F/P, etc.)

- 500MHz (with Solid probe)

- **Microscope**
  - Morphology of polymers, study of materials structure, elemental analysis, etc.

    - SEM-EDX

    - Micro-IR

ISO 17025 Certified (By CNAS, together with TDD Lab)

External collaboration

Outsourcing analytical partners

- MALDI-TOF (Matrix-assisted laser desorption/ionization - Time of flight): protein characterization, glycoprotein analysis, QC applications, polymer analysis, ultra-high throughput screening and MS Imaging
- TEM (Transmission Electron Microscopes): chemical and structural characterization at the nanoscale of all types of materials
- XPS (X-ray Photoelectron Spectroscopy): characterize the surfaces of diverse materials such as inorganic compounds (minerals), semiconductors, organic compounds, and thin films and coatings on natural and engineered materials

中国合格评定国家认可委员会

实验室认可证书

（注册号：CNAS L12459）

兹证明：

壳尔维投资有限公司检测中心

（法人：壳尔维投资有限公司）

上海市闵行区莘庄工业区申贵路 3966 号，201108

符合 ISO/IEC 17025：2017《检测和校准实验室能力的通用要求》

（CNAS-CL01《检测和校准实验室能力认可准则》）的要求，具备承担本

证书附件所列服务的能力，予以认可。

获认可的能力范围见标有相同认可注册号的证书附件，证书附件是

本证书组成部分。

生效日期：2020-08-19

截止日期：2025-07-31

中国合格评定国家认可委员会授权人

China National Accreditation Service for Conformity Assessment

LABORATORY ACCREDITATION CERTIFICATE

(Registration No. CNAS L12459)

Solvay (China) Analytical Center

(Legal Entity: Solvay (China) Co., Ltd.)

No.3966, Jindu Road, Xinzhuang Industrial Zone, Minhang District,

Shanghai, China

is accredited in accordance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule forms an integral part of this certificate.

Effective Date: 2020-08-19

Expiry Date: 2025-07-31

Signed on behalf of China National Accreditation Service for Conformity Assessment

CNAS certified projects in details:

1. DSC/RC1 for chemicals
2. TOC for water samples
3. KFT for chemicals
4. HPLC for catechol

- Solid phase NMR: characterizing atomic level structure in solid materials e.g. powders, single crystals and amorphous
- High Temperature-GPC: measures molecular weight and MW distribution for polymers at elevated temperatures (up to 220)
- Industrial CT(Computed Tomography) Scan: flaw detection, failure analysis, metrology, assembly analysis and reverse engineering for materials
- ...