

Analytical Equipment at Saltigo



Ein Unternehmen der
LANXESS
Gruppe

saltigo
customized competence

History | Saltigo | Service | Technologies | Development | Manufacturing | Quality | What's new | Additional Info

Process Development | Analytical Development

PD Equipment | Analytical Equipment

Analytical Equipment - Leverkusen

Available technologies at Saltigo

- **GC (capillary)**
 - various separation and detection (FID, TCD, MS) techniques including chiral GC
- **HPLC**
 - predominantly UV detection including UV comparison
 - all separation techniques including ion pair and chiral
- **Additional techniques**
 - LC/MS and LC/MS-MS
 - a broad range of titration methods
 - photometric quantification methods
 - 750 MHz-NMR and mass spectrometry



Analytical Equipment - Leverkusen

Available technologies at our service provider Currenta GmbH & Co (operator of Chempark Leverkusen):

- **Nuclear magnetic resonance spectroscopy (NMR)**
 - NMR (¹H, ¹³C, ¹⁹F, ³¹P and additional nuclei, 2D-NMR)
 - 700 MHz NMR cryoprobe
 - solid state NMR
 - quantitative NMR
- **Mass spectrometry (MS)**
 - MS (EI, CI, FAB, FD, ESI, APCI)
 - MALDI-MS
 - MS high resolution (FTICR)
- **Chromatographic coupling techniques**
 - GC/MS
 - HPLC/MS (LC/MS)
 - HPLC/NMR (LC/NMR)
- **Single crystal X-ray structure analysis**
- **Optical spectroscopy**
 - IR, Raman, NIR, UV/VIS, fluorescence

Analytical Equipment - Leverkusen

Available technologies at our service provider Currenta GmbH & Co (operator of Chempark Leverkusen):

- **Chromatography / separation techniques**

- gas chromatography (GC)
- liquid chromatography (HPLC, LC)
- ion chromatography (IC)
- size exclusion chromatography (SEC)
- supercritical fluid chromatography (SFC)
- capillary electrophoresis (CE)

- **Elemental analysis**

- atomic absorption spectroscopy (AAS)
- inductively coupled plasma – optical emission spectroscopy (ICP-OES)
- ICP-MS
- X-ray fluorescence analysis

- **Wide range of titration techniques**

Analytical Equipment - Redmond

Fast and flexible analytical support



■ Non-cGMP Analytical Development Labs

- Multiple HPLCs
- HPLC/MS
- GC
- Ability to carry out most wet chemical analytical techniques



■ Process Analytical Labs and cGMP Analytics

- HPLC
- GC/MS – HS-GC
- FTIR
- KF
- ROI
- LOD

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Case Studies | Plant 1 - 4 | Plant 5 - ZeTO | Plant 5 - API Unit | Plant 5 - SMB | **Redmond** | HSE |