

not IAAC/IOMC

Analysis Request MS-Platform

date: _____

AG / group leader: _____

phone: _____

first / last name: _____

e-mail: _____@_____

sample name : _____

2 initials max 4 digit sample naming

weight mass / concentration: _____

proper biol. inactivation toxic carcinogen

temperature: RT _____ °C

oxygen sensitive: moisture sensitive

Can the sample be treated with ultrasonic and/or heat for solubility?

sum formula: _____ repeating unit (for polymers): _____ molar mass: _____

solubility minimum 0.1 mg / mL in: _____ (allowed solvents see below)

structural image / scientific question / remarks / synthetic conditions including starting materials and all reactants
in case of polymers please: repeating unit and Mn/PDI of NMR or SEC.

pure sample
 reaction mixture

chromatographic separation: no GC LC

if yes please statement: _____

If a reaction mixture should be analyzed on a LC-MS urgently run a RP-DC as test for non-eluting compounds.

Ionization: MS platform should decide EI CI ESI APCI MALDI

mass resolution: < 2,000 2,000 < * < 50,000 * > 50,000

for resolution > 2,000 please statement: _____

MS MS² If MS² please statement: _____

could the sample contain any residue of DMSO, DMF, ionic liquids, metal salt or proteins?

if yes, which: _____

Allowed solvents, preferred ones are printed in bold: *(max. 50 Vol% in mixture with bold printed)

LC-ESI/APCI-MS: **H₂O**, **ACN**, **MeOH**, EtOH, *i*-propanol, THF*

GC-EI/CI-MS: **DCM**, **Et₂O**, **pentane**, hexane, CHCl₃, acetone, benzene, toluene, methanol, pyridine

ESI-direct injection: **MeOH**, **ACN**, H₂O, EtOH, THF*

MALDI: ACN, MeOH, *i*-propanol, acetone, H₂O, CHCl₃, DCM, THF

Accuracy statement, sign:

Operators comment only:

Date/Datum:

Instrument/Gerät:

Method/Methode:

Solvent/Lösungsmittel:

Additive/Zusatz:

Mass range/Massenbereich

Measured mass/gemessen:

MS²-Energy

MS/MS:
(Parent, LE parent & fragment, mass range, matrix suppression)

Column/Säule:

Eluent:

Matrix:

Laser energy: Shot counts:

Detector gain: PEI:

Matrix suppression:

Notizen/Remarks: