



$m_{TMB} = 13.3 \text{ mg (1,3,5-trimethoxybenzene)}$ ;  $m_{Prod} = 15.6 \text{ mg (product)}$

```

Current Data Parameters
NAME          7Mar2624
EXPNO         10
PROCNO        1

F2 - Acquisition Parameters
Date_         20240326
Time          11.39 h
INSTRUM       spect
PROBHD        Z122896_0005 (
PULPROG       zg30
TD            65536
SOLVENT       CDCl3
NS            16
DS            2
SWH           14097.744 Hz
FIDRES        0.430229 Hz
AQ            2.3243434 sec
RG            17.59
DW            35.467 usec
DE            10.00 usec
TE            298.1 K
D1            1.00000000 sec
TD0           1
SF01          700.4043250 MHz
NUC1          1H
P0            3.33 usec
P1            10.00 usec
PLW1          8.00000000 W

F2 - Processing parameters
SI            65536
SF            700.4000687 MHz
WDW           EM
SSB           0
LB            0.30 Hz
GB            0
PC            1.00

```

$$\text{purity} = \frac{m_{TMB}}{M_{TMB}} \cdot \frac{INT_{Prod}}{N_H} \cdot \frac{M_{Prod}}{m_{Prod}} = \frac{13.3}{168.19} \cdot \frac{0.87}{1} \cdot \frac{220.6}{15.6} = 97.2\%$$