

# DIN EN ISO 20884:2022-01 (E)

Petroleum products - Determination of sulfur content of automotive fuels -  
Wavelength-dispersive X-ray fluorescence spectrometry (ISO 20884:2019 + Amd  
1:2021) (includes Amendment :2021)

---

Contents	Page
European foreword.....	3
<b>A1</b> European foreword to Amendment <b>A1</b> .....	4
Foreword.....	5
<b>A1</b> Foreword to Amendment <b>A1</b> .....	6
<b>1</b> Scope.....	7
<b>2</b> Normative references.....	7
<b>3</b> Terms and definitions.....	7
<b>4</b> Principle.....	8
<b>5</b> Reagents.....	8
<b>6</b> Apparatus.....	8
<b>7</b> Sampling.....	9
<b>8</b> Calibration solutions.....	9
8.1 Blank solution.....	9
8.2 Stock solution.....	9
8.3 Calibration solutions.....	9
8.4 Storage and stability of the calibration solutions.....	10
<b>9</b> Settings.....	10
9.1 Measuring parameters.....	10
9.2 Optimization.....	10
9.3 Performance check of the spectrometer.....	10
<b>10</b> Calibration.....	11
10.1 General.....	11
10.2 Calibration solutions.....	11
10.3 Calibration curves.....	11
10.4 Checking.....	12
<b>11</b> Procedure.....	12
11.1 Samples with sulfur contents between 5 mg/kg and 60 mg/kg.....	12
11.2 Samples with sulfur contents between 60 mg/kg and 500 mg/kg.....	12
<b>12</b> Expression of results.....	12
<b>13</b> Precision.....	13
13.1 General.....	13
13.2 Repeatability, <i>r</i> .....	13
13.3 Reproducibility, <i>R</i> .....	13
<b>14</b> Test report.....	13
<b>Annex A</b> (informative) <b>Good practices</b> .....	14
<b>Bibliography</b> .....	15