EUROMET PROJECT
FINAL REPORT

1.	Ref. No.:	566		2. Subject Field:	METC	HEM	
3	3 Type of collaboration: Comparison						
<ul> <li>4A. Partners: "IRMM, BAM, LGC, AMEI Rt.,</li> <li>SP Swedish National Testing and Research Institut,</li> <li>ITC Zlín – Institute for Certification and Testing,</li> <li>Central Petroleum Laboratory</li> </ul>				4B:	CEC funded? JRC funded?	No Yes	
5.	Participating c	ountries: Czec	h Republic, E	uropean Commissio	n, Germai	ny,	
6.	Title: S in	fuel	igary, Poland,	, Sweden, United Kir	igdom		
<ul> <li>7. Progress:</li> <li>The aim of the comparison was to establish international comparability of measurements of S in fuel.</li> <li>The same samples measured by the EUROMET partners were also measured by CCQM laboratories in the framework of CCQM-P26. In this way an overview of measurement capability from laboratories with different metrological function will be displayed.</li> <li>The EUROMET Project 566 participants' results are given in tables (page 2) and graphically presented (page 3) in this report.</li> </ul>							
<ul> <li>8. Coordinator's name: Dr Y. Aregbe</li> <li>Address: Institute for Reference Materials and Measurements Retieseweg B-2440 Geel, Belgium</li> <li>Telephone: +32-14-571-673 Telefax: +32-14-571 865 E-mail: yetunde.aregbe@irmm.jrc.be</li> </ul>							
9. C Feb	ompletion date: ruary 2002		10. Coordina	tor's signature: le <i>Wigli</i> e	11. Da 30 Apr	te: il 2002	

\*) Delete as appropriate

## EUROMET project 566 S in fuel Participants' results

participant	reported value <b>m</b> nol·9 <sup>-1</sup>	uncertainty <b>m</b> mol·9 <sup>-1</sup>	relative uncertainty (%)
BAM	withdrawn	withdrawn	
IRMM	31.63	0.34	1.1
LGC	30.87	0.60	1.9
ITC Zlin	33.6	0.37	1.1
CPL	32.43	2.50	7.7
AMEI	28.9	1.56	5.4
SP	no results reported	no results reported	

**Results for sample A** 

## Results for sample B

participant	reported value	uncertainty	relative
	$\mathbf{m}$ mol·g <sup>-1</sup>	$\mathbf{m}$ mol·g <sup>-1</sup>	uncertainty (%)
BAM	withdrawn	withdrawn	
IRMM	6.28	0.06	1.0
LGC	5.95	0.13	2.1
ITC Zlin	7.63	0.19	2.5
CPL	11.23	1.25	11.1
AMEI	6.53	0.63	9.6
SP	no results reported	no results reported	

EUROMET project 566 S in fuel Participants' results graphical display



EUROMET 566 results, sample B











## EUROMET project 566 S in fuel Analytical methods and instrumental techniques

participant	method	instrumentation
BAM	-	-
IRMM	IDMS	TIMS
LGC	IDMS	ICP-magnetic sector
		field MS
ITC Zlin	ISO 8754	XRF
CPL	PN/ISO 8754	Energy-dispersive
		XRF
AMEI	EN ISO 14596	Wavelength-
		dispersive XRF
SP	-	-

## EUROMET project 566 S in fuel Participants list

institution / laboratory	origin
BAM	GERMANY
Bundesanstalt für Materialforschung und-prüfung	
IRMM	<b>European Commission</b>
Institute for Reference Materials and Measurements	
LGC	UNITED KINGDOM
Laboratory of the Government Chemist	
AMEI Rt.	HUNGARY
ITC Zlín	CZECH REPUBLIC
Institute for Certification and Testing	
SP	SWEDEN
Swedish National Testing and Research Institute	
CPL	POLAND
Central Petroleum Laboratory	