



# **Analysis**

**Operator:** Demo  
**Sample ID:** 071725PEM  
**Sample Desc:**  
**Sample Weight:** 0.0502 g  
**Approx. Outgas Time:** 10.1 hrs  
**Analysis gas:** Nitrogen  
**Analysis Time:** 4:22 hr:min  
**Analysis Mode:** Standard  
**VoidVol. Mode:** He Measure

**Date:** 2025/07/18

**Filename:**

**Comment:**

**Instrument:**

**Final Outgas Temp.:**

**Non-ideality:**

**Bath temp.:**

**Cold Zone V:**

# **Report**

**Operator:** Anton Parr  
**Filename:** SARM2012\_st2\_2025\_07\_18\_11\_09\_22.qps

**Date:** 2025/08/04

**Instrument:** Autosorb iQ Station 2

**Final Outgas Temp.:** 80 °C

**Non-ideality:** 6.58e-05 1/Torr

**Bath temp.:** 77.35 K

**Cold Zone V:** 1.15234 cc

**Extended info:** Available

**CellType:** 9mm

**VoidVol Remeasure:** off

**Warm Zone V:** 9.31863 cc

## **Data Reduction Parameters**

### **Adsorbate model**

**Thermal Transpiration:** on

**Nitrogen**

**Molec. Wt.:** 28.013

**Eff. mol. diameter (D):** 3.54 Å

**Temperature** 77.350K

**Cross Section:** 16.200 Å²

**Eff. cell stem diam. (d):** 4.0000 mm

**Liquid Density:** 0.808 g/cc



**Analysis**

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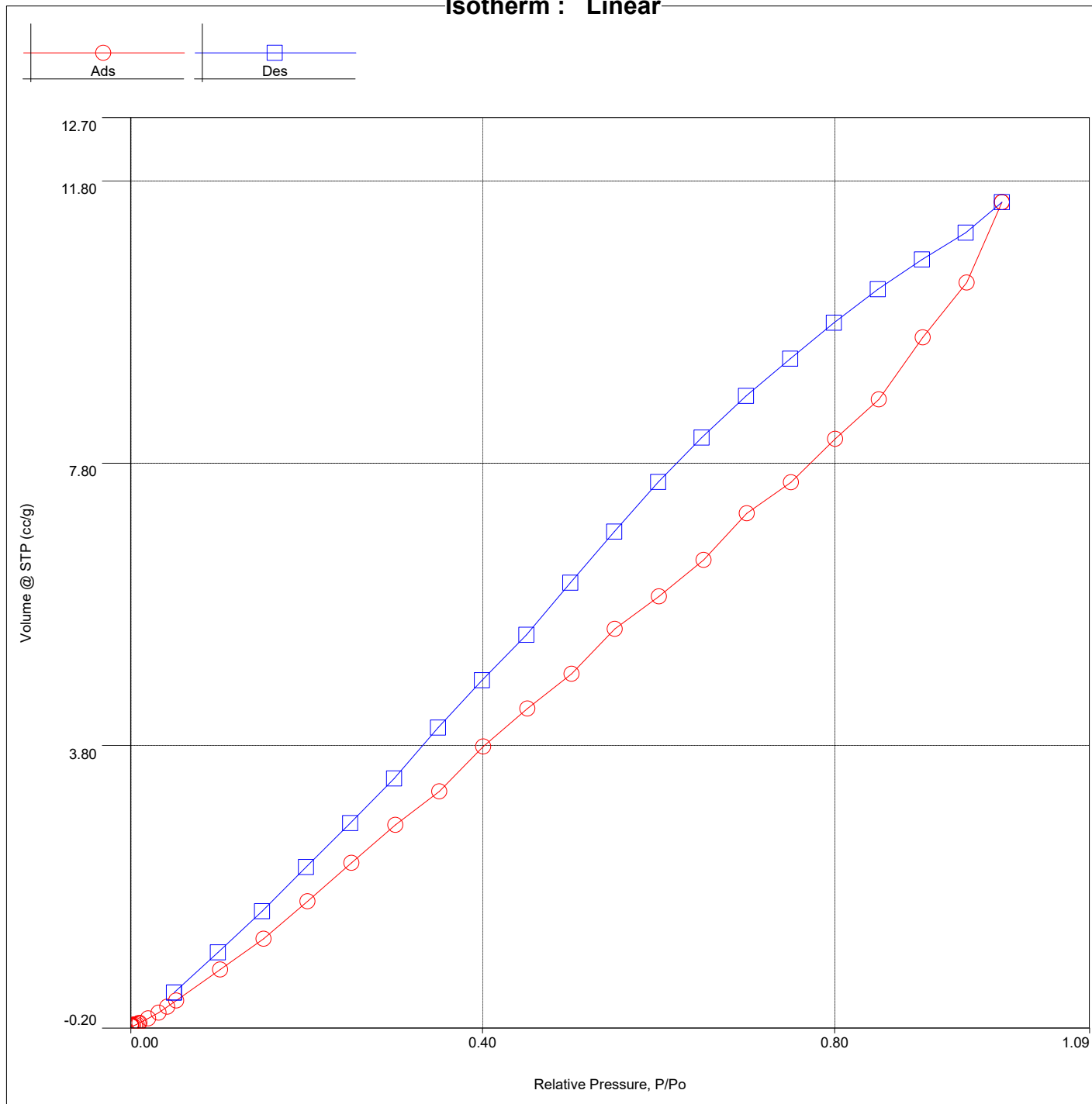
Filename:

**Report**

Operator: Anton Parr  
SARM2012\_st2\_2025\_07\_18\_11\_09\_22.qps

Date:2025/08/04

**Isotherm : Linear**





**Analysis**

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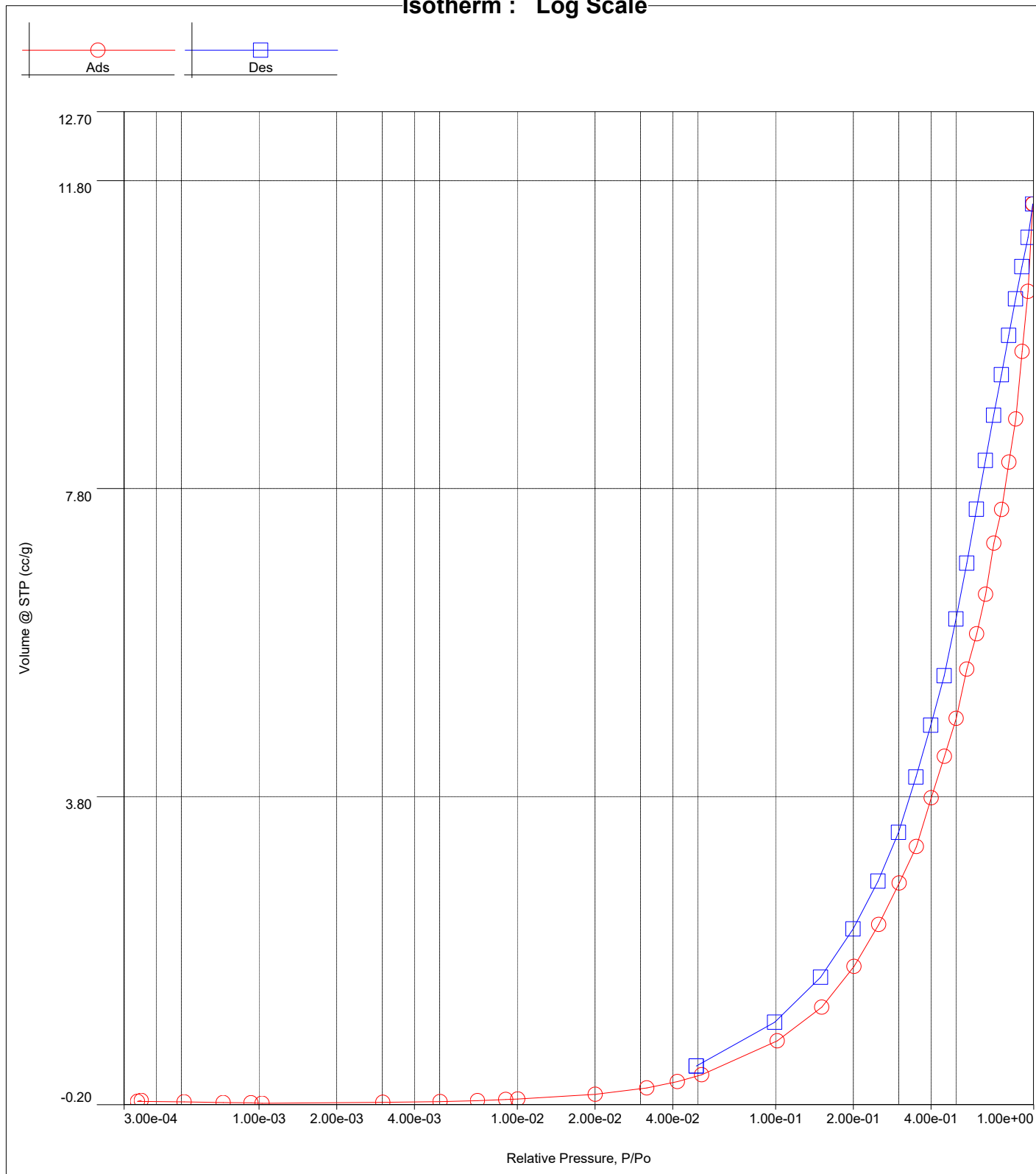
Filename:

**Report**

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**Isotherm : Log Scale**





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**Isotherm**

Relative Pressure	Volume @ STP [cc/g]	Relative Pressure	Volume @ STP [cc/g]	Relative Pressure	Volume @ STP [cc/g]
3.50435e-04	-0.1412	2.50840e-01	2.1435	8.49197e-01	10.2690
3.38532e-04	-0.1536	3.00798e-01	2.6816	7.99396e-01	9.7927
5.12450e-04	-0.1611	3.50952e-01	3.1558	7.49610e-01	9.2813
7.26741e-04	-0.1681	4.00592e-01	3.7889	6.99512e-01	8.7554
9.30798e-04	-0.1736	4.50824e-01	4.3287	6.48983e-01	8.1674
1.02805e-03	-0.1778	5.01006e-01	4.8204	5.99474e-01	7.5364
3.01538e-03	-0.1666	5.50331e-01	5.4585	5.49601e-01	6.8339
5.02126e-03	-0.1567	6.00429e-01	5.9185	4.99597e-01	6.1091
7.01648e-03	-0.1449	6.51125e-01	6.4323	4.49654e-01	5.3728
9.02879e-03	-0.1311	7.00326e-01	7.0952	3.99353e-01	4.7290
1.00458e-02	-0.1244	7.50412e-01	7.5319	3.49283e-01	4.0596
2.00467e-02	-0.0618	8.00537e-01	8.1470	2.99354e-01	3.3382
3.17049e-02	0.0210	8.50387e-01	8.7080	2.49483e-01	2.7059
4.16750e-02	0.1033	9.00425e-01	9.5868	1.99402e-01	2.0846
5.17694e-02	0.1928	9.50050e-01	10.3634	1.49261e-01	1.4578
1.01601e-01	0.6309	9.90276e-01	11.4998	9.92877e-02	0.8741
1.51129e-01	1.0690	9.49071e-01	11.0667	4.93007e-02	0.3038
2.01202e-01	1.5992	8.99339e-01	10.6880		