**瓦斯含量测定实验报告单**

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| 矿井名称：名称 | | |
| 取样地点：地点 | | 煤样编号：2025WWW |
| 取样时间：2025-06-14 | 埋深：234m | 煤 层：M89煤层 |

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| 基  本  信  息 | 井下大气压力（KPa）： | | | | | | | | | | 86.3 | | | | | | | | | 实验室大气压力（KPa）： | | | | | | | | 87.7 | | | | |
| 井下环境温度(℃)： | | | | | | | | | | 18 | | | | | | | | | 实验室温度(℃)： | | | | | | | | 24 | | | | |
| 取样方式： | | | | | | | | | | 取芯钻杆 | | | | | | | | | 煤样重量（g）： | | | | | | | | 699.75 | | | | |
| 原煤水分（%）： | | | | | | | | | | 1.2 | | | | | | | | | 煤样水分（%）： | | | | | | | | 1.4 | | | | |
| 取样深度（m）： | | | | | | | | | | 12 | | | | | | | | | 量管初始体积（ml）： | | | | | | | | 0 | | | | |
| W1  井下解吸数据(ml) | 时间 | | 解吸量 | | | 时间 | | 解吸量 | | | | 时间 | | | 解吸量 | | | 时间 | | 解吸量 | | 井下取样损失量拟合：    损失瓦斯量（ml） 解吸瓦斯量（ml） | | | | | | | | | | |
| 1 | | **36** | | | 16 | | **208** | | | |  | | |  | | |  | |  | |
| 2 | | **56** | | | 17 | | **218** | | | |  | | |  | | |  | |  | |
| 3 | | **76** | | | 18 | | **232** | | | |  | | |  | | |  | |  | |
| 4 | | **86** | | | 19 | | **244** | | | |  | | |  | | |  | |  | |
| 5 | | **98** | | | 20 | | **250** | | | |  | | |  | | |  | |  | |
| 6 | | **106** | | | 21 | | **260** | | | |  | | |  | | |  | |  | |
| 7 | | **114** | | | 22 | | **270** | | | |  | | |  | | |  | |  | |
| 8 | | **122** | | | 23 | | **280** | | | |  | | |  | | |  | |  | |
| 9 | | **128** | | | 24 | | **298** | | | |  | | |  | | |  | |  | |
| 10 | | **144** | | | 25 | | **311** | | | |  | | |  | | |  | |  | |
| 11 | | **152** | | | 26 | | **324** | | | |  | | |  | | |  | |  | |
| 12 | | **166** | | | 27 | | **334** | | | |  | | |  | | |  | |  | |
| 13 | | **178** | | | 28 | | **358** | | | |  | | |  | | |  | |  | |
| 14 | | **192** | | | 29 | | **372** | | | |  | | |  | | |  | |  | |
| 15 | | **200** | | | 30 | | **390** | | | |  | | |  | | |  | |  | |
| 时间单位：(min) 井下标态解吸量W11(ml)：295.24 瓦斯标态损失量W12(ml)：59.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W2 | 实验室常压解吸W2(ml)： | | | | | | | | | | 217.16 | | | | | | | | |  | | | | | | | |  | | | | |
| W3 | 粉碎后第1份煤样重(g)： | | | | | | | | | | 100 | | | | | | | | | 第1份煤样解吸量(ml)： | | | | | | | | 187.92 | | | | |
| 粉碎后第2份煤样重(g)： | | | | | | | | | | 100 | | | | | | | | | 第2份煤样解吸量(ml)： | | | | | | | | 187.92 | | | | |
| Wc | 吸附常数a值(cm3/g)： | | | | | | | | | 1.2 | | | | 吸附常数b值(MPa-1)： | | | | | | | | 3.4 | | | 水分Mad/%： | | | | | | | 5.6 |
| 灰分Aad/%： | | | | | | | | | 7.8 | | | | 孔隙率K/%： | | | | | | | | 9.10 | | | 视密度γ： | | | | | | | 11.2 |
| 挥发分Vad/%： | | | | | | | | | 33.4 | | | | 不可解吸瓦斯量Wc(m3/t)： | | | | | | | | 0.10 | | |  | | | | | | |  |
| 自然瓦斯成分(%) | | CH₄： | | | 11 | | | | CO₂： | | | | 22 | | | | N₂： | | | | 33 | | O₂： | | | 44 | | | C₂H₄： | | 55 | |
| C₃H₈： | | | 66 | | | | C₂H₆： | | | | 77 | | | | C₃H₆： | | | | 88 | | C₂H₂： | | | 99 | | | CO： | | 100 | |
| 实验结果 | W1(m³/t )： | | | 0.51 | | | | | | | W2(m³/t )： | | | | | 0.31 | | | | W3(m³/t )： | | | | 1.88 | | | | Wa(m³/t )： | | 2.70 | | |
| Wc(m³/t )： | | | 0.10 | | | | | | | W(m³/t )： | | | | | 2.80 | | | | P(MPa)： | | | | 29.73 | | | |  | |  | | |
| W1-井下解吸与损失量； W2-实验室常压解吸量； W3-密封粉碎解吸量； Wa-可解吸瓦斯量；  Wc-不可解吸瓦斯量； W-瓦斯含量； P-瓦斯压力 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验室测试人员： | | | | | | | 测试 | | | | | | | | | | | | 审 核 人 员： | | | | | | | | 审核 | | | | | |
|  | | | | | | |  | | | | | | | | | | | | 出 报 告 时 间： | | | | | | | | 2025年6月14日 | | | | | |
| 备注：测试煤样由贵州省煤安技术服务有限公司技术人员现场采集并送达，实验室基于来样进行测试。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |