**瓦斯含量测定实验报告单**

矿井名称：贵州国源矿业开发有限公司晴隆县大田乡粗楼田煤矿

取样地点：11南瓦斯参数测定巷迎头退回12mn处(1-11)

取样时间：2025-06-12 埋深：123 m 煤层：M54煤层

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 基  本  信  息 | 煤样编号： | | | | | | | | | 20250612 | | | | | | | | | 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 | | | | | | | | | 煤样重量（g）： | | | | | | | | | | 699.75 | | | | | |
| 取样方式： | | | | | | | | | 定点风排渣 | | | | | | | | | 煤样水分（%）： | | | | | | | | | | 1.3 | | | | | |
| 原煤水分（%）： | | | | | | | | | 2.1 | | | | | | | | | 量管初始体积（ml）： | | | | | | | | | | 0 | | | | | |
| 取样深度（m）： | | | | | | | | | 21 | | | | | | | | |  | | | | | | | | | |  | | | | | |
| 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 | | **250** | | | 16 | | **1144** | | |  | |  | | | |  | | |  | | |
| 2 | | **400** | | | 17 | | **1176** | | |  | |  | | | |  | | |  | | |
| 3 | | **500** | | | 18 | | **1202** | | |  | |  | | | |  | | |  | | |
| 4 | | **530** | | | 19 | | **1228** | | |  | |  | | | |  | | |  | | |
| 5 | | **600** | | | 20 | | **1276** | | |  | |  | | | |  | | |  | | |
| 6 | | **650** | | | 21 | | **1298** | | |  | |  | | | |  | | |  | | |
| 7 | | **714** | | | 22 | | **1320** | | |  | |  | | | |  | | |  | | |
| 8 | | **770** | | | 23 | | **1340** | | |  | |  | | | |  | | |  | | |
| 9 | | **788** | | | 24 | | **1362** | | |  | |  | | | |  | | |  | | |
| 10 | | **908** | | | 25 | | **1380** | | |  | |  | | | |  | | |  | | |
| 11 | | **936** | | | 26 | | **1400** | | |  | |  | | | |  | | |  | | |
| 12 | | **976** | | | 27 | | **1420** | | |  | |  | | | |  | | |  | | |
| 13 | | **1052** | | | 28 | | **1438** | | |  | |  | | | |  | | |  | | |
| 14 | | **1084** | | | 29 | | **1543** | | |  | |  | | | |  | | |  | | |
| 15 | | **1114** | | | 30 | | **1582** | | |  | |  | | | |  | | |  | | |
| 时间单位：(min) 井下标态解吸量W11(ml)：1304.69 瓦斯标态损失量W12(ml)：436.94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | 水分Mad/%： | | | | | | | 3 | | | | 孔隙率K/%： | | | | | 5 | | | |
| 吸附常数*b*值(MPa-1)： | | | | | | | | | 2 | | | | | 灰分Aad/%： | | | | | | | 4 | | | | 视密度γ： | | | | | 6 | | | |
| 不可解吸瓦斯量Wc(m3/t)： | | | | | | | | | 0.09 | | | | | 挥发分Vad/%： | | | | | | | 7 | | | |  | | | | |  | | | |
| 自然瓦斯成分(%) | | CH4： | | | 0 | | | | CO2： | | | 0 | | | | N2： | | | | | 0 | | | O2： | | | 0 | | | C2H4： | | | 0 | |
| C3H8： | | | 0 | | | | C2H6： | | | 0 | | | | C3H6： | | | | | 0 | | | C2H2： | | | 0 | | | CO： | | | 0 | |
| 实验结果 | W1(m³/t )： | | | 2.49 | | | | | | W2(m³/t )： | | | | 0.31 | | | | | W3(m³/t )： | | | | | | 1.88 | | | | Wa(m³/t )： | | | 4.68 | | |
| Wc(m³/t )： | | | 0.09 | | | | | | W(m³/t )： | | | | 4.77 | | | | | P(MPa)： | | | | | | 51.41 | | | |  | | |  | | |
| 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： | | | | | | | 随便 | | | | | | | | | | | 审 核 人 员： | | | | | | | | | | 干嘛 | | | | | | |
|  | | | | | | |  | | | | | | | | | | | 出 报 告 时 间： | | | | | | | | | | 2025年6月12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。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |