**瓦斯含量测定实验报告单**

矿井名称：贵州省金鑫煤业有限公司贵州百里杜鹃红林乡黔鑫煤矿—[Name]

取样地点：21502回风巷K0+700m处（迎头）

取样时间：2024/11/20 埋深：425m 煤层：M15煤层

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| 基  本  信  息 | 煤样编号： | | | | | 2024-WS-001 | | | | | | 井下大气压力（KPa）： | | | | | | | 85 | | | | | |
| 实验室大气压力（KPa）： | | | | | 87.8 | | | | | | 井下环境温度(℃)： | | | | | | | 19 | | | | | |
| 实验室温度(℃)： | | | | | 26.2 | | | | | | 煤样重量（g）： | | | | | | | 575.65 | | | | | |
| 取样方式： | | | | | 定点风排渣 | | | | | | 煤样水分（%）： | | | | | | | 2.06 | | | | | |
| 原煤水分（%）： | | | | | 2.5 | | | | | | 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： | | | | | | | | |
| 1 | **D001** | 16 | **D016** | | 32 | **D032** | 65 | | | **D065** | | |
| 2 | **D002** | 17 | **D017** | | 34 | **D034** | 70 | | | **D070**  *Q*  (ml) | | |
| 3 | **D003** | 18 | **D018** | | 36 | **D035** | 75 | | | **D075** | | |
| 4 | **D004** | 19 | **D019** | | 38 | **D038** | 80 | | | **D080** | | |
| 5 | **D005** | 20 | **D020** | | 40 | **D040** | 85 | | | **D085** | | |
| 6 | **D006** | 21 | **D021** | | 42 | **D042** | 90 | | | **D090** | | |
| 7 | **D007** | 22 | **D022** | | 44 | **D044** | 95 | | | **D095** | | |
| 8 | **D008** | 23 | **D023** | | 46 | **D046** | 100 | | | **D100** | | |
| 9 | **D009** | 24 | **D024** | | 48 | **D048** | 105 | | | **D105** | | |
| 10 | **D010** | 25 | **D025** | | 50 | **D050** | 110 | | | **D110** | | |
| 11 | **D011** | 26 | **D026** | | 52 | **D052** | 115 | | | **D115** | | |
| 12 | **D012** | 27 | **D027** | | 54 | **D054** | 120 | | | **D120** | | |
| 13 | **D013** | 28 | **D028** | | 56 | **D056** | 125 | | | **D125** | | |
| 14 | **D014** | 29 | **D029** | | 58 | **D058** | 130 | | | **D130** | | |
| 15 | **D015** | 30 | **D030** | | 60 | **D060** | 135 | | | **D135** | | |
| 时间单位：(min) 井下解吸量W11(ml)：102 瓦斯损失量W12(ml)：29.047 | | | | | | | | | | | | | | | | | | | | | |
| W2 | 实验室常压解吸W2(ml) | | | | | 100 | |  | | | | | | | | | | | | | | | | |
| W3 | 粉碎后第1份煤样重(g) | | | | | 100 | | 第1份煤样解吸量(ml) | | | | | | | | | | 98 | | | | | | |
| 粉碎后第2份煤样重(g) | | | | | 100 | | 第2份煤样解吸量(ml) | | | | | | | | | | 100 | | | | | | |
| Wc | 煤的吸附常数*a*值 | | | | 38.570 | | 水分Mad/% | | | | 3.02 | | | | 孔隙率K/% | | | | | | 6.25 | | | |
| 煤的吸附常数*b*值 | | | | 0.982 | | 灰分Aad/% | | | | 13.56 | | | | 视密度γ | | | | | | 1.49 | | | |
| 不可解吸瓦斯量Wc | | | | 1.9256 | | 挥发分Vad/% | | | | 18.33 | | | |  | | | | | |  | | | |
| 自然瓦斯成分 | | | CH4 | | | % | | | CO2 | | | | % | | | | N2 | | | % | | | |
| 实验结果 | W1(m³/t ) | | 0.2277 | | | W2(m³/t ) | | | 0.1737 | | | | W3(m³/t ) | | | | 1.0000 | | | Wa(m³/t ) | | 1.4014 | |
| Wc(m³/t ) | | 1.9256 | | | W(m³/t ) | | | 3.327 | | | | P(MPa) | | | | 0.0857 | | |  | |  | |
| 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。 | | | | | | | | | | | | | | | | | | | | | | |
| 井下测试人员： | | |  | | | | | | | 实验室测试人员： | | | | | |  | | | | | | | | |
| 审 核 人 员： | | |  | | | | | | | 出 报 告 时 间： | | | | | |  | | | | | | | | |
| 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。 | | | | | | | | | | | | | | | | | | | | | | | | |