**瓦斯含量测定实验报告单**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 矿井名称：贵州理工学院 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 取样地点：310 | | | | | | | | | | | | | | | | | | | | | | | | 煤样编号：333 | | | | | | | |
| 取样时间：2025-06-23 | | | | | | 埋深：234m | | | | | | | | | | | | | | | | | | 煤 层：M78煤层 | | | | | | | |
| 基  本  信  息 | 井下大气压力（KPa）： | | | | | | | 99 | | | | | | | | 实验室大气压力（KPa）： | | | | | | | | | | | 88 | | | | |
| 井下环境温度(℃)： | | | | | | | 18 | | | | | | | | 实验室温度(℃)： | | | | | | | | | | | 23 | | | | |
| 取样方式： | | | | | | | 定点风排渣 | | | | | | | | 煤样重量（g）： | | | | | | | | | | | 889 | | | | |
| 原煤水分（%）： | | | | | | | 2.1 | | | | | | | | 煤样水分（%）： | | | | | | | | | | | 1.4 | | | | |
| 取样深度（m）： | | | | | | | 123 | | | | | | | | 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 | **26** | | 16 | | **56** | | | 31 | | **86** | | | 105 | | **116** | | | |
| 2 | **28** | | 17 | | **58** | | | 35 | | **88** | | | 110 | | **118** | | | |
| 3 | **30** | | 18 | | **60** | | | 40 | | **90** | | | 115 | | **120** | | | |
| 4 | **32** | | 19 | | **62** | | | 45 | | **92** | | | 120 | | **122** | | | |
| 5 | **34** | | 20 | | **64** | | | 50 | | **94** | | | 125 | | **124** | | | |
| 6 | **36** | | 21 | | **66** | | | 55 | | **96** | | | 130 | | **126** | | | |
| 7 | **38** | | 22 | | **68** | | | 60 | | **98** | | | 135 | | **128** | | | |
| 8 | **40** | | 23 | | **70** | | | 65 | | **100** | | | 140 | | **130** | | | |
| 9 | **42** | | 24 | | **72** | | | 70 | | **102** | | | 145 | | **132** | | | |
| 10 | **44** | | 25 | | **74** | | | 75 | | **104** | | | 150 | | **134** | | | |
| 11 | **46** | | 26 | | **76** | | | 80 | | **106** | | | 155 | | **130** | | | |
| 12 | **48** | | 27 | | **78** | | | 85 | | **108** | | | 160 | | **138** | | | |
| 13 | **50** | | 28 | | **80** | | | 90 | | **110** | | | 165 | | **140** | | | |
| 14 | **45** | | 29 | | **82** | | | 95 | | **112** | | | 170 | | **142** | | | |
| 15 | **54** | | 30 | | **84** | | | 100 | | **114** | | | 175 | | **144** | | | |
| 时间单位：(min) 井下标态解吸量W11(ml)：123.94 瓦斯标态损失量W12(ml)： | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| W2 | 实验室常压解吸W2(ml)： | | | | | | | 219.17 | | | | | | | | |  | | | | | | | | | |  | | | | |
| W3 | 粉碎后第1份煤样重(g)： | | | | | | | 100 | | | | | | | | | 第1份煤样解吸量(ml)： | | | | | | | | | | 189.67 | | | | |
| 粉碎后第2份煤样重(g)： | | | | | | | 100 | | | | | | | | | 第2份煤样解吸量(ml)： | | | | | | | | | | 189.67 | | | | |
| Wc | 吸附常数a值(cm3/g)： | | | | | | 1 | | | 吸附常数b值(MPa-1)： | | | | | | | | | 2 | | | | 灰分Aad/%： | | | | | | | | 4 |
| 自然瓦斯成分(%) | | CH₄： | | | 0 | | | C₂H₆： | | | | 0 | | C₂H₂： | | | | 0 | | |  | | | |  | | |  | |  | |
| 实验结果 | W1(m³/t )： | | 0.00 | | | | | W2(m³/t )： | | | | | 0.00 | | | | W3(m³/t )： | | | | | 0.00 | | | | | Wa(m³/t )： | | 0.00 | | |
| Wc(m³/t )： | | 0.00 | | | | | W(m³/t )： | | | | | 0.00 | | | |  | | | | |  | | | | |  | |  | | |
| 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； | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 实验室测试人员： | | | | | |  | | | | | | | | | 审核人员： | | | | | | | | | | |  | | | | | |
|  | | | | | |  | | | | | | | | | 出报告时间： | | | | | | | | | | | 2025年6月23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。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |