

报告批号: 19Y206 - 19Y2060001-167

Report No.



160016042862

检 测 报 告

TESTING REPORT

委 托 单 位

鹤庆北衙矿业有限公司

CLIENT

项目/矿区名称

鹤庆北衙矿业有限公司2019年土壤监测

PROJECT/MINE AREA NAME

样 品 名 称

土壤

SAMPLE NAME

报告发送日期

2019-11-26

REPORTING DATE

国土资源部昆明矿产资源监督检测中心

Ministry of Land and Resources Kunming Mineral Resource Supervision Inspecting Center



注意事项 (Regulation):

1. 报告无“国土资源部昆明矿产资源监督检测中心检测报告专用章”的签章和骑缝章无效。
2. 未经本中心批准，不得复制报告。
3. 报告涂改增删无效。
4. 检测结果仅对来样且经收样人验收确认的样品负责，若委托我中心进行仲裁检测，须以我中心的结果为最终结果，仅对检测样品之检测技术负责，不负与本仲裁检测无关的其他责任。
5. 对委托检验报告有异议时，请在自收到报告之日起（以邮戳为准）十五日内向我中心提出；委托方对检测/检验报告有异议，应及时向被委托方提出，政府行政管理部门下达的指令性任务，按相关法律、法规规定进行。
6. 对监督抽查结果有异议时，可在自收到报告之日起十五日内向我中心或者上级产品质量监督部门申请复检。
7. 若遇火灾、水灾、地震、片区停水电等不可抗拒的情况造成的样品损坏，我中心不对样品的损坏、遗失及检测/检验结果负责。
8. 委托中心检测的样品（不易变质样品），仅对不易变质的副样保留三十天（从报告发送之日算起，需要自行保留样品须在30日内领回），有合同约定的则按合同约定的副样保管期限执行，逾期中心将自行处理。特殊副样将按行业相关标准执行并实行有偿保存；对易腐烂变质的检毕样品由中心自行处理。
9. 被委托方严格遵循质量方针、质量目标，保证出具检测/检验报告和证书的科学、公正、准确；做到服务规范、行为公正、为客户保密。

通讯地址： 昆明市经济技术开发区阿拉街道办事处白水塘

Address:

Baishuitang, Ala Street Subdistric, Economic and Technological Development Zone, Kunming City

邮政编码: 650217 (P.C: 650217)

电话(Tel): 0871-67211841 (质量技术管理部)

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国土资源部昆明矿产资源监督检测中心

检测报告

报告批号: 19Y206-19Y2060001-167

样品名称	土壤	检测类别	委托检测
来样状态	粉状	收样日期	2019-11-11
样品数量(件)	160	检测日期	2019-11-11 至 2019-11-26

主要检测信息

检测项目	检测依据	使用仪器	仪器编号
Cd Cr Cu Ni Pb Zn	《全国土壤污染状况详查土壤样品分析测试方法技术规范》	iCAP-RQ电感耦合等离子体质谱仪	2018-分-01
As		AFS-3100原子荧光光度计	2007-分-03
Hg		XGY-1011A型原子荧光光度计	2017-分-05
pH		PHS-3E型酸度计	2017-分-01

检测项目: Cd Cr Cu Ni Pb Zn As Hg pH

主要检测人员代码:

A-2032、A-2031、A-2017、A-2007

检测结果及计量单位: 详见检测结果。

备注: (1) 本报告共一式两份: 客户1份, 留底1份。

(2) 样品如名称、状态、项目/矿区名称等为客户提供, 本报告不提出意见和解释。

(3) 计量单位: 10^{-2} 相当于: %; 10^{-6} 相当于: g/t、克/吨、 $\mu\text{g/g}$ 、ppm; 10^{-9} 相当于: ng/g、ppb。

审核人 
Checked by

2019.11.26

批准人 
Approved by

2019.11.26

国土资源部昆明矿产资源监督检测中心检测结果



委托单位: 鹤庆北衙矿业有限公司

项目/矿区: 鹤庆北衙矿业有限公司2019年土壤监测

样品名称: 土壤

分析编号	样品编号	砷(As) $\omega(B)/(10^{-6})$	镉(Cd) $\omega(B)/(10^{-6})$	铬(Cr) $\omega(B)/(10^{-6})$	铜(Cu) $\omega(B)/(10^{-6})$	汞(Hg) $\omega(B)/(10^{-6})$	镍(Ni) $\omega(B)/(10^{-6})$	铅(Pb) $\omega(B)/(10^{-6})$	锌(Zn) $\omega(B)/(10^{-6})$	pH值 (无量纲量)
19Y2060001	A18-1/19TR1030E15-1/26°11'30.00"/100°10'21.16	17.3	2.38	108	139	0.081	54.4	860	229	5.94
19Y2060002	A18-2/19TR1030E15-2/26°11'30.00"/100°10'21.16	18.1	2.41	105	151	0.117	53.2	851	223	5.95
19Y2060003	A19-1/19TR1030E16-1/26°11'43.65"/100°10'20.53	11.4	1.61	101	224	0.146	59.4	255	227	6.67
19Y2060004	A19-2/19TR1030E16-2/26°11'43.65"/100°10'20.53	11.9	1.57	106	222	0.118	60.2	254	230	6.77
19Y2060005	B18-1/19TR1030E17-1/100°10'20.53"/100°10'37.78	23.5	1.23	114	185	0.076	67.1	1295	250	7.35
19Y2060006	B18-2/19TR1030E17-2/100°10'20.53"/100°10'37.78	25.0	1.45	106	174	0.108	58.8	1274	247	7.95
19Y2060007	B19-1/19TR1030E18-1/26°11'44.89"/100°10'34.58	18.8	3.13	116	131	0.081	57.1	326	243	5.74
19Y2060008	B19-2/19TR1030E18-2/26°11'44.89"/100°10'34.58	16.0	3.06	118	140	0.172	58.1	298	232	5.71
19Y2060009	B22-1/19TR1031E04-1/26°12'24.02"/100°10'36.44	6.24	0.18	116	306	0.091	72.5	105	151	6.34
19Y2060010	B22-2/19TR1031E04-2/26°12'24.02"/100°10'36.44	5.24	0.16	117	300	0.060	72.8	98.9	160	6.14
19Y2060011	B23-1/19TR1031E06-1/26°12'33.10"/100°10'38.97	21.4	3.43	150	172	0.053	60.4	812	226	5.36
19Y2060012	B23-2/19TR1031E06-2/26°12'33.10"/100°10'38.97	18.4	1.98	166	172	0.042	59.0	657	196	5.55
19Y2060013	C13-1/19TR1030E13-1/26°10'30.11"/100°10'54.48	66.6	5.01	186	93.2	0.131	90.0	651	306	7.73
19Y2060014	C13-2/19TR1030E13-2/26°10'30.11"/100°10'54.48	59.4	4.13	163	79.9	0.126	76.6	498	271	7.95
19Y2060015	C16-1/19TR1030E14-1/26°11'06.35"/100°10'53.15	16.3	2.46	103	144	0.049	52.9	238	247	7.87
19Y2060016	C16-2/19TR1030E14-2/26°11'06.35"/100°10'53.15	1.21	1.99	110	155	0.044	55.9	185	235	8.16
19Y2060017	C17-1/19TR1031E01-1/26°11'17.96"/100°10'53.57	1.03	0.94	132	154	0.060	68.2	192	276	7.39
19Y2060018	C17-2/19TR1031E01-2/26°11'17.96"/100°10'53.57	0.98	1.21	126	168	0.065	67.3	211	287	7.63
19Y2060019	C18-1/19TR1030E20-1/26°11'31.07"/100°10'53.68	0.95	2.21	109	146	0.093	52.3	415	245	6.42
19Y2060020	C18-2/19TR1030E20-2/26°11'31.07"/100°10'53.68	15.4	2.35	109	147	0.085	52.1	406	232	6.51
19Y2060022	C22-1/19TR1031E05-1/26°12'21.95"/100°10'53.66	23.7	2.57	139	174	0.092	70.7	836	287	6.35
19Y2060023	C22-2/19TR1031E05-2/26°12'21.95"/100°10'53.66	26.5	2.61	126	185	0.108	72.9	1474	360	6.47
19Y2060024	C23-1/19TR1031E07-1/26°12'35.04"/100°10'52.59	1.19	1.36	143	217	0.106	69.7	260	201	5.79
19Y2060025	C23-2/19TR1031E07-2/26°12'35.04"/100°10'52.59	0.95	1.33	146	212	0.072	67.4	238	198	5.47

国土资源部昆明矿产资源监督检查中心检测结果

委托单位: 鹤庆北衙矿业有限公司
项目/矿区: 鹤庆北衙矿业有限公司2019年土壤监测
样品名称: 土壤



分析编号	样品编号	砷(As) $\omega(B)/(10^{-6})$	镉(Cd) $\omega(B)/(10^{-6})$	铬(Cr) $\omega(B)/(10^{-6})$	铜(Cu) $\omega(B)/(10^{-6})$	汞(Hg) $\omega(B)/(10^{-6})$	镍(Ni) $\omega(B)/(10^{-6})$	铅(Pb) $\omega(B)/(10^{-6})$	锌(Zn) $\omega(B)/(10^{-6})$	pH值 (无量纲量)
19Y2060026	D04-1/19TR1029E03-1/26°08'31.22"/100°11'10.73	1022	23.8	156	231	1.41	89.6	13910	7353	7.46
19Y2060027	D04-2/19TR1029E03-2/26°08'31.22"/100°11'10.73	1055	19.9	146	228	0.870	90.5	16580	7230	6.61
19Y2060028	D06-1/19TR1029E02-1/26°08'55.16"/100°11'08.90	1253	19.4	56.2	790	0.196	33.4	9852	5704	7.82
19Y2060029	D06-2/19TR1029E02-2/26°08'55.16"/100°11'08.90	1361	17.5	44.8	773	0.172	27.4	9313	4748	7.66
19Y2060030	D07-1/19TR1029E01-1/26°09'08.45"/100°11'08.36	201	5.67	152	143	0.424	80.8	2244	948	7.95
19Y2060031	D07-2/19TR1029E01-2/26°09'08.45"/100°11'08.36	212	4.83	161	136	0.359	84.5	2084	873	7.75
19Y2060032	D10-1/19TR1030E01-1/26°09'45.58"/100°11'04.67	53.0	1.83	133	96.0	0.072	57.7	475	263	5.96
19Y2060033	D10-2/19TR1030E01-2/26°09'45.58"/100°11'04.67	55.8	1.38	145	95.1	0.064	62.2	379	230	5.36
19Y2060034	D11-1/19TR1030E02-1/26°10'02.53"/100°11'08.01	7549	1.90	370	148	1.77	22.7	2530	656	8.68
19Y2060035	D11-2/19TR1030E02-2/26°10'02.53"/100°11'08.01	2365	17.7	99.4	1523	0.865	40.4	21910	6002	8.63
19Y2060036	D12-1/19TR1030E03-1/26°10'13.70"/100°11'08.40	183	13.5	120	171	0.209	56.3	3933	953	7.73
19Y2060037	D12-2/19TR1030E03-2/26°10'13.70"/100°11'08.40	120	7.43	169	328	0.140	82.1	8703	1221	7.68
19Y2060038	D13-1/19TR1030E04-1/26°10'26.43"/100°11'04.7C	102	3.83	192	146	0.124	90.3	2806	468	7.23
19Y2060039	D13-2/19TR1030E04-2/26°10'26.43"/100°11'04.7C	90.0	3.65	192	153	0.139	89.0	2726	425	7.66
19Y2060040	D14-1/19TR1030E05-1/26°10'41.47"/100°11'05.72	60.2	1.31	172	115	0.444	90.2	491	431	7.59
19Y2060041	D14-2/19TR1030E05-2/26°10'41.47"/100°11'05.72	90.1	1.48	174	112	2.81	90.6	472	374	7.84
19Y2060043	D15-1/19TR1030E06-1/26°10'52.61"/100°11'06.36	37.9	5.40	183	76.8	0.091	47.9	647	258	7.47
19Y2060044	D15-2/19TR1030E06-2/26°10'52.61"/100°11'06.36	27.4	4.28	183	71.6	0.066	47.3	512	219	7.75
19Y2060045	D16-1/19TR1030E10-1/26°11'04.33"/100°11'06.31	18.8	2.46	116	118	0.059	60.3	230	254	6.21
19Y2060046	D16-2/19TR1030E10-2/26°11'04.33"/100°11'06.31	18.8	2.44	116	117	0.057	61.2	230	255	6.71
19Y2060047	D17-1/19TR1031E02-1/26°11'18.91"/100°11'00.0C	15.0	2.67	108	162	0.125	54.7	246	241	6.50
19Y2060048	D17-2/19TR1031E02-2/26°11'18.91"/100°11'00.0C	16.4	2.73	111	160	0.107	55.6	248	237	6.75
19Y2060049	D18-1/19TR1030E21-1/26°11'28.22"/100°11'06.02	18.6	1.62	122	163	0.093	63.2	473	255	7.02
19Y2060050	D18-2/19TR1030E21-2/26°11'28.22"/100°11'06.02	20.7	1.64	121	158	0.076	60.7	496	245	7.19

国土资源部昆明矿产资源监督检测中心检测结果



委托单位: 鹤庆北衙矿业有限公司
项目/矿区: 鹤庆北衙矿业有限公司2019年土壤监测
样品名称: 土壤

分析编号	样品编号	砷(As) $\omega(B)/(10^{-6})$	镉(Cd) $\omega(B)/(10^{-6})$	铬(Cr) $\omega(B)/(10^{-6})$	铜(Cu) $\omega(B)/(10^{-6})$	汞(Hg) $\omega(B)/(10^{-6})$	镍(Ni) $\omega(B)/(10^{-6})$	铅(Pb) $\omega(B)/(10^{-6})$	锌(Zn) $\omega(B)/(10^{-6})$	pH值 (无量纲量)
19Y2060051	D21-1/19TR1031E09-1/26°12'17.51"/100°11'13.00	20.5	1.75	139	164	0.087	73.9	300	237	7.44
19Y2060052	D21-2/19TR1031E09-2/26°12'17.51"/100°11'13.00	18.7	1.03	144	160	0.077	75.4	230	214	7.47
19Y2060053	D22-1/19TR1031E08-1/26°12'23.02"/100°11'06.34	20.6	1.84	148	194	0.110	80.3	632	268	5.28
19Y2060054	D22-2/19TR1031E08-2/26°12'23.02"/100°11'06.34	23.5	1.84	144	193	0.117	80.7	635	266	5.35
19Y2060055	D23-1/19TR1031E10-1/26°12'34.41"/100°11'07.31	4.59	0.24	105	238	0.030	63.6	48.6	199	7.06
19Y2060056	D23-2/19TR1031E10-2/26°12'34.41"/100°11'07.31	3.51	0.17	89.9	214	0.014	70.5	56.6	237	6.48
19Y2060057	E04-1/19TR1029E04-1/26°08'29.45"/100°11'22.69	510	7.48	60.2	282	0.163	35.2	4005	1779	7.88
19Y2060058	E04-2/19TR1029E04-2/26°08'29.45"/100°11'22.69	508	7.92	132	240	0.329	85.7	5325	2177	8.23
19Y2060059	E05-1/19TR1029E05-1/26°08'43.14"/100°11'21.54	690	17.8	113	539	0.235	72.0	7326	4530	7.75
19Y2060060	E05-2/19TR1029E05-2/26°08'43.14"/100°11'21.54	713	16.2	117	550	0.223	71.5	7288	4393	8.15
19Y2060061	E06-1/19TR1029E06-1/26°08'59.55"/100°11'21.83	139	5.47	140	126	0.184	71.3	901	781	8.26
19Y2060062	E06-2/19TR1029E06-2/26°08'59.55"/100°11'21.83	90.8	2.08	159	90.9	0.162	85.1	435	378	8.20
19Y2060064	E07-1/19TR1029E07-1/26°09'09.77"/100°11'19.57	124	5.58	181	122	0.182	91.3	1635	631	7.21
19Y2060065	E07-2/19TR1029E07-2/26°09'09.77"/100°11'19.57	116	3.86	188	120	0.171	94.3	1513	502	7.19
19Y2060066	E13-1/19TR1030E11-1/26°10'23.85"/100°11'21.27	718	42.4	43.9	256	0.123	35.7	8770	1408	8.42
19Y2060067	E13-2/19TR1030E11-2/26°10'23.85"/100°11'21.27	89.6	44.8	40.2	137	0.150	28.9	7197	1245	8.28
19Y2060068	E14-1/19TR1030E12-1/26°10'42.60"/100°11'18.00	129	51.2	160	152	0.320	93.1	4585	2315	8.04
19Y2060069	E14-2/19TR1030E12-2/26°10'42.60"/100°11'18.00	173	25.9	158	147	0.380	90.0	4826	2571	8.20
19Y2060070	E16-1/19TR1030E09-1/26°11'06.05"/100°11'19.76	28.4	5.07	136	169	0.104	73.9	413	285	5.67
19Y2060071	E16-2/19TR1030E09-2/26°11'06.05"/100°11'19.76	24.0	3.40	120	132	0.068	54.4	397	228	6.09
19Y2060072	E17-1/19TR1030E22-1/26°11'19.41"/100°11'16.53	24.8	3.44	117	132	0.079	67.6	290	248	6.45
19Y2060073	E17-2/19TR1030E22-2/26°11'19.41"/100°11'16.53	16.1	0.53	122	137	0.042	77.0	137	234	6.44
19Y2060074	E18-1/19TR1031E03-1/26°11'30.85"/100°11'17.62	18.4	1.74	122	189	0.109	77.8	229	284	7.14
19Y2060075	E18-2/19TR1031E03-2/26°11'30.85"/100°11'17.62	18.8	1.73	123	187	0.126	78.0	221	289	7.30

国土资源部昆明矿产资源监督检测中心检测结果



委托单位: 鹤庆北衙矿业有限公司
项目/矿区: 鹤庆北衙矿业有限公司2019年土壤监测
样品名称: 土壤

分析编号	样品编号	砷(As) $\omega(B)/(10^{-6})$	镉(Cd) $\omega(B)/(10^{-6})$	铬(Cr) $\omega(B)/(10^{-6})$	铜(Cu) $\omega(B)/(10^{-6})$	汞(Hg) $\omega(B)/(10^{-6})$	镍(Ni) $\omega(B)/(10^{-6})$	铅(Pb) $\omega(B)/(10^{-6})$	锌(Zn) $\omega(B)/(10^{-6})$	pH值 (无量纲量)
19Y2060076	E21-1/19TR1031E14-1/26°12'12.25"/100°11'20.09	28.0	2.41	125	182	0.122	85.2	1354	298	6.45
19Y2060077	E21-2/19TR1031E14-2/26°12'12.25"/100°11'20.09	28.2	1.52	133	181	0.098	93.2	665	289	6.52
19Y2060078	E23-1/19TR1031E11-1/26°12'35.27"/100°11'20.33	17.7	3.15	125	205	0.241	78.6	159	233	7.49
19Y2060079	E23-2/19TR1031E11-2/26°12'35.27"/100°11'20.33	14.2	2.22	124	216	0.093	76.8	125	213	7.50
19Y2060080	F05-1/19TR1029E09-1/26°08'44.96"/100°11'37.24	99.4	6.33	168	108	0.191	91.9	718	512	7.86
19Y2060081	F05-2/19TR1029E09-2/26°08'44.96"/100°11'37.24	99.8	1.89	173	99.3	0.186	94.3	631	484	7.77
19Y2060082	F06-1/19TR1029E08-1/26°08'58.73"/100°11'37.10	178	10.1	177	137	0.242	84.6	2256	798	7.88
19Y2060083	F06-2/19TR1029E08-2/26°08'58.73"/100°11'37.10	225	3.97	195	122	0.220	82.2	2889	676	8.05
19Y2060085	F07-1/19TR1029E14-1/26°09'09.35"/100°11'39.38	380	13.5	161	213	0.294	76.1	4620	1520	7.86
19Y2060086	F07-2/19TR1029E14-2/26°09'09.35"/100°11'39.38	91.6	1.60	188	114	0.203	84.1	744	540	7.85
19Y2060087	F08-1/19TR1029E11-1/26°10'53.49"/100°11'07.34	158	11.3	174	170	0.250	86.7	3679	686	7.34
19Y2060088	F08-2/19TR1029E11-2/26°10'53.49"/100°11'07.34	129	4.79	187	124	0.172	93.0	2611	400	8.03
19Y2060089	F09-1/19TR1029E10-1/26°09'34.78"/100°11'35.65	415	18.6	134	271	0.323	69.1	7157	1451	8.06
19Y2060090	F09-2/19TR1029E10-2/26°09'34.78"/100°11'35.65	480	16.0	140	254	0.271	68.6	8228	1539	8.14
19Y2060091	F16-1/19TR1030E07-1/26°11'07.54"/100°11'31.52	25.4	3.51	123	135	0.083	60.6	368	229	6.20
19Y2060092	F16-2/19TR1030E07-2/26°11'07.54"/100°11'31.52	23.2	3.28	125	138	0.073	62.8	366	230	5.89
19Y2060093	F17-1/19TR1030E08-1/26°11'15.18"/100°11'35.26	32.4	6.98	128	165	0.091	57.8	508	283	6.55
19Y2060094	F17-2/19TR1030E08-2/26°11'15.18"/100°11'35.26	27.3	6.89	132	167	0.085	60.2	488	279	6.48
19Y2060095	F18-1/19TR1030E19-1/26°11'30.16"/100°11'34.26	24.2	3.82	126	136	0.071	57.6	402	241	6.41
19Y2060096	F18-2/19TR1030E19-2/26°11'30.16"/100°11'34.26	27.8	4.91	136	167	0.103	72.3	393	279	5.80
19Y2060097	F20-1/19TR1031E13-1/26°12'01.44"/100°11'32.53	26.5	3.01	113	140	0.120	78.9	283	300	5.36
19Y2060098	F20-2/19TR1031E13-2/26°12'01.44"/100°11'32.53	25.9	3.48	120	141	0.113	83.0	275	295	5.57
19Y2060099	F21-1/19TR1031E12-1/26°12'11.66"/100°11'32.87	21.8	2.18	126	178	0.132	87.8	636	319	6.30
19Y2060100	F21-2/19TR1031E12-2/26°12'11.66"/100°11'32.87	31.2	2.24	129	177	0.111	84.5	906	376	6.70

国土资源部昆明矿产资源监督检测中心检测结果



委托单位： 鹤庆北衙矿业有限公司

项目/矿区： 鹤庆北衙矿业有限公司2019年土壤监测

样品名称： 土壤

分析编号	样品编号	砷(As) $\omega(B)/(10^{-6})$	镉(Cd) $\omega(B)/(10^{-6})$	铬(Cr) $\omega(B)/(10^{-6})$	铜(Cu) $\omega(B)/(10^{-6})$	汞(Hg) $\omega(B)/(10^{-6})$	镍(Ni) $\omega(B)/(10^{-6})$	铅(Pb) $\omega(B)/(10^{-6})$	锌(Zn) $\omega(B)/(10^{-6})$	pH值 (无量纲量)
19Y2060101	G01-1/19TR1029E18-1/26°07'46.42"/100°11'49.74	534	2.02	237	143	0.526	122	540	870	8.18
19Y2060102	G01-2/19TR1029E18-2/26°07'46.42"/100°11'49.74	507	2.42	244	140	0.537	125	501	836	8.26
19Y2060103	G02-1/19TR1031E30-1/26°08'00.94"/100°11'44.13	694	22.1	197	210	0.502	129	3308	3994	7.24
19Y2060104	G02-2/19TR1031E30-2/26°08'00.94"/100°11'44.13	708	13.4	208	191	0.326	134	2975	3877	7.26
19Y2060106	G03-1/19TR1031E31-1/26°08'12.04"/100°11'49.61	993	29.1	162	172	0.216	127	5777	5580	7.78
19Y2060107	G03-2/19TR1031E31-2/26°08'12.04"/100°11'49.61	1027	29.1	166	171	0.225	131	5657	5588	7.28
19Y2060108	G05-1/19TR1029E15-1/26°08'46.27"/100°11'46.19	494	19.6	163	230	0.119	89.4	8895	4839	7.57
19Y2060109	G05-2/19TR1029E15-2/26°08'46.27"/100°11'46.19	448	10.2	173	213	0.085	86.9	8180	4159	7.45
19Y2060110	H02-1/19TR1031E35-1/26°07'59.82"/100°12'04.14	351	1.94	222	79.2	0.135	94.7	327	858	7.16
19Y2060111	H02-2/19TR1031E35-2/26°07'59.82"/100°12'04.14	355	2.11	227	84.3	0.122	96.5	327	949	7.38
19Y2060112	H03-1/19TR1031E33-1/26°08'14.28"/100°12'06.80	1334	40.0	124	208	0.248	98.1	13610	14300	6.79
19Y2060113	H03-2/19TR1031E33-2/26°08'14.28"/100°12'06.80	1472	39.2	118	206	0.221	95.9	13980	14540	6.54
19Y2060114	H04-1/19TR1031E32-1/26°08'28.39"/100°12'04.82	341	12.0	141	208	0.164	65.3	5598	2475	6.93
19Y2060115	H04-2/19TR1031E32-2/26°08'28.39"/100°12'04.82	345	9.50	146	253	0.218	74.0	4798	2639	7.34
19Y2060116	H05-1/19TR1031E29-1/26°08'46.34"/100°12'05.44	1936	45.9	171	301	0.966	104	10300	9235	6.91
19Y2060117	H05-2/19TR1031E29-2/26°08'46.34"/100°12'05.44	1949	41.7	182	264	0.970	114	9571	8558	6.76
19Y2060118	I04-1/19TR1031E34-1/26°08'23.19"/100°12'12.69	1063	10.3	203	132	0.149	109	2388	3687	7.68
19Y2060119	I04-2/19TR1031E34-2/26°08'23.19"/100°12'12.69	1007	10.4	202	129	0.155	108	2413	3575	7.49
19Y2060120	I05-1/19TR1031E26-1/26°08'46.42"/100°12'18.88	402	4.65	168	221	0.241	78.2	9217	4407	6.21
19Y2060121	I05-2/19TR1031E26-2/26°08'46.42"/100°12'18.88	400	4.58	170	223	0.254	78.9	9272	4405	5.42
19Y2060122	I06-1/19TR1031E27-1/26°09'03.77"/100°12'21.56	662	12.5	120	355	0.393	61.6	17850	7815	5.58
19Y2060123	I06-2/19TR1031E27-2/26°09'03.77"/100°12'21.56	618	8.87	126	347	0.346	61.6	14970	6876	5.66
19Y2060124	I07-1/19TR1031E28-1/26°09'13.88"/100°12'20.73	386	6.06	126	162	0.142	74.0	6527	3029	5.09
19Y2060125	I07-2/19TR1031E28-2/26°09'13.88"/100°12'20.73	381	5.36	129	173	0.114	75.9	6803	3027	5.02

国土资源部昆明矿产资源监督检测中心检测结果



委托单位： 鹤庆北衙矿业有限公司

项目/矿区： 鹤庆北衙矿业有限公司2019年土壤监测

样品名称： 土壤

分析编号	样品编号	砷(As) $\omega(B)/(10^{-6})$	镉(Cd) $\omega(B)/(10^{-6})$	铬(Cr) $\omega(B)/(10^{-6})$	铜(Cu) $\omega(B)/(10^{-6})$	汞(Hg) $\omega(B)/(10^{-6})$	镍(Ni) $\omega(B)/(10^{-6})$	铅(Pb) $\omega(B)/(10^{-6})$	锌(Zn) $\omega(B)/(10^{-6})$	pH值 (无量纲量)
19Y2060127	J08-1/19TR1031E25-1/26°09'21.89"/100°12'34.78	268	4.10	173	130	0.058	92.2	2606	2034	6.83
19Y2060128	J08-2/19TR1031E25-2/26°09'21.89"/100°12'34.78	255	3.95	166	126	0.052	88.8	2993	2028	6.79
19Y2060129	J10-1/19TR1029E23-1/26°09'41.74"/100°12'33.75	494	2.46	183	143	0.144	117	769	1682	7.99
19Y2060130	J10-2/19TR1029E23-2/26°09'41.74"/100°12'33.75	494	2.31	192	149	0.134	123	706	1718	8.10
19Y2060131	K01-1/19TR1031E15-1/26°12'43.06"/100°13'59.00	117	1.69	207	97.7	0.261	145	371	811	8.24
19Y2060132	K01-2/19TR1031E15-2/26°12'43.06"/100°13'59.00	73.1	1.80	204	92.5	0.302	147	361	854	8.25
19Y2060133	K02-1/19TR1031E16-1/26°12'30.34"/100°13'56.02	125	0.35	227	114	0.112	177	446	923	7.05
19Y2060134	K02-2/19TR1031E16-2/26°12'30.34"/100°13'56.02	136	0.32	231	111	0.135	179	425	941	6.82
19Y2060135	K03-1/19TR1031E17-1/26°12'20.02"/100°13'57.19	93.0	1.68	146	86.4	0.111	83.0	373	470	6.26
19Y2060136	K03-2/19TR1031E17-2/26°12'20.02"/100°13'57.19	90.7	1.74	149	89.5	0.095	85.5	374	487	6.38
19Y2060137	K04-1/19TR1031E24-1/26°11'37.89"/100°13'14.45	76.0	2.07	175	104	0.161	94.6	556	696	7.86
19Y2060138	K04-2/19TR1031E24-2/26°11'37.89"/100°13'14.45	73.0	2.24	174	106	0.153	92.9	571	676	7.87
19Y2060139	K05-1/19TR1031E18-1/26°12'04.90"/100°13'15.61	176	2.81	166	172	0.513	111	2236	1257	8.06
19Y2060140	K05-2/19TR1031E18-2/26°12'04.90"/100°13'15.61	197	3.84	157	162	0.458	103	2115	1303	8.11
19Y2060141	K06-1/19TR1031E19-1/26°12'39.11"/100°13'01.59	105	5.18	205	86.7	0.254	144	423	627	7.79
19Y2060142	K06-2/19TR1031E19-2/26°12'39.11"/100°13'01.59	83.5	4.76	214	86.9	0.240	140	325	596	7.78
19Y2060143	K07-1/19TR1031E20-1/26°12'44.99"/100°12'33.53	123	0.44	215	87.4	0.246	109	418	464	5.91
19Y2060144	K07-2/19TR1031E20-2/26°12'44.99"/100°12'33.53	117	0.39	217	87.6	0.250	110	405	465	5.85
19Y2060145	K08-1/19TR1031E21-1/26°12'16.31"/100°12'21.25	618	2.21	161	117	0.073	62.7	195	193	6.20
19Y2060146	K08-2/19TR1031E21-2/26°12'16.31"/100°12'21.25	29.2	0.95	171	120	0.064	65.8	157	177	6.02
19Y2060148	K09-1/19TR1031E22-1/26°11'58.29"/100°12'24.13	22.9	0.08	157	134	0.065	76.5	99.0	163	5.23
19Y2060149	K09-2/19TR1031E22-2/26°11'58.29"/100°12'24.13	18.5	0.07	146	124	0.057	70.3	95.1	155	5.12
19Y2060150	K10-1/19TR1031E23-1/26°11'27.01"/100°12'21.56	17.3	0.26	150	84.3	0.120	71.4	68.6	231	5.72
19Y2060151	K10-2/19TR1031E23-2/26°11'27.01"/100°12'21.56	20.5	0.26	150	83.7	0.123	73.2	69.0	240	5.63

国土资源部昆明矿产资源监督检测中心检测结果

委托单位: 鹤庆北衙矿业有限公司
项目/矿区: 鹤庆北衙矿业有限公司2019年土壤监测
样品名称: 土壤



分析编号	样品编号	砷(As) $\omega(B)/(10^{-6})$	镉(Cd) $\omega(B)/(10^{-6})$	铬(Cr) $\omega(B)/(10^{-6})$	铜(Cu) $\omega(B)/(10^{-6})$	汞(Hg) $\omega(B)/(10^{-6})$	镍(Ni) $\omega(B)/(10^{-6})$	铅(Pb) $\omega(B)/(10^{-6})$	锌(Zn) $\omega(B)/(10^{-6})$	pH值 (无量纲量)
19Y2060152	K11-1/19TR1029E12-1/26°10'28.33"/100°12'09.54	421	5.93	176	121	0.279	109	770	1623	8.25
19Y2060153	K11-2/19TR1029E12-2/26°10'28.33"/100°12'09.54	427	8.75	195	112	0.309	106	966	1686	8.29
19Y2060154	K12-1/19TR1029E13-1/26°10'24.87"/100°12'05.06	56.9	2.35	63.2	76.7	0.117	36.5	498	451	8.60
19Y2060155	K12-2/19TR1029E13-2/26°10'24.87"/100°12'05.06	90.2	2.56	102	107	0.137	55.4	727	626	8.53
19Y2060156	K13-1/19TR1029E17-1/26°07'48.30"/100°11'35.36	923	5.31	212	185	0.322	126	6564	7346	8.30
19Y2060157	K13-2/19TR1029E17-2/26°07'48.30"/100°11'35.36	471	1.60	236	203	0.221	138	3003	3008	8.17
19Y2060158	K14-1/19TR1029E16-1/26°07'41.31"/100°11'20.24	627	2.88	184	332	0.248	90.7	1719	1439	8.30
19Y2060159	K14-2/19TR1029E16-2/26°07'41.31"/100°11'20.24	469	6.52	132	404	0.388	68.7	2233	1844	8.25
19Y2060160	K15-1/19TR1029E19-1/26°08'42.34"/100°13'52.13	17.5	0.83	112	236	0.062	59.1	243	254	8.28
19Y2060161	K15-2/19TR1029E19-2/26°08'42.34"/100°13'52.13	20.0	1.27	148	303	0.056	76.7	347	339	7.91
19Y2060162	K16-1/19TR1029E20-1/26°08'35.60"/100°13'57.21	9.09	0.17	289	244	0.024	348	99.8	170	7.72
19Y2060163	K16-2/19TR1029E20-2/26°08'35.60"/100°13'57.21	12.0	0.26	164	264	0.019	81.6	166	188	7.73
19Y2060164	K17-1/19TR1029E22-1/26°08'38.62"/100°14'08.88	42.2	1.11	107	139	0.068	46.5	636	332	8.37
19Y2060165	K17-2/19TR1029E22-2/26°08'38.62"/100°14'08.88	38.2	1.12	108	139	0.068	49.2	584	317	8.32
19Y2060166	K18-1/19TR1029E21-1/26°08'45.93"/100°14'13.34	82.8	1.96	163	208	0.129	79.7	1071	606	7.79
19Y2060167	K18-2/19TR1029E21-2/26°08'45.93"/100°14'13.34	82.6	1.76	145	174	0.129	73.2	890	481	7.83

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打印	刘玉	日期	2019-11-26	校对	(5) 1/2	日期	2019.11.26
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