# 取样记录表/Sample Data Form

编号/NO.：500-2-1

| 项 目/<br>Items | 内 容/<br>Description | 内 容/<br>Description | 内 容/<br>Description | 内 容/<br>Description |
|---|---|---|---|---|
| 取样日期/<br>Sampling date | 2013.7.14 | 2013.7.14 | 2013.7.14 | 2013.7.14 |
| 船舶名称/<br>Name of ship | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 |
| 识别号或字母/<br>Distinctive number or letters | CN20089032653 | CN20089032653 | CN20089032653 | CN20089032653 |
| 登记港/<br>Port of registry | 安庆<br>Anqing | 安庆<br>Anqing | 安庆<br>Anqing | 安庆<br>Anqing |
| 船舶总吨/<br>Gross tonnage | 1468 吨 | 1468 吨 | 1468 吨 | 1468 吨 |
| 船舶建造日期/<br>Date of construction | 2009.8.10 | 2009.8.10 | 2009.8.10 | 2009.8.10 |
| 压载水舱容/<br>Ballast water capacity | $1800m^3$ | $1800m^3$ | $1800m^3$ | $1800m^3$ |
| 试验地点（港口、码头）/<br>Origin of water sampled(port、harbor) | 山东青岛港 | 山东青岛港 | 山东青岛港 | 山东青岛港 |
| 取样舱的类型及位置/<br>Type and position of the sampled tank | 4#处理舱 | 4#处理舱 | 4#处理舱 | 4#处理舱 |
| 取样舱的容积/<br>Capacity of the sampled tank | $600m^3$ | $600m^3$ | $600m^3$ | $600m^3$ |
| 压载水管理方法/<br>Type of ballast water management undertaken | in line treatment | in line treatment | in line treatment | in line treatment |

| 压载水处理系统构成/<br>Make of ballast water management system | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/Filtration unit and Photo-catalytic reaction unit |
|---|---|---|---|---|
| 样品标识码/<br>sample ID code | SHOU-BWDL-JPMT-016A1<br>SHOU-BWDL-JPMT-016A2<br>SHOU-BWDL-JPMT-016A3 | SHOU-BWDL-JPMT-016B1<br>SHOU-BWDL-JPMT-016B2<br>SHOU-BWDL-JPMT-016B3 | SHOU-BWDL-JPMT-016C1<br>SHOU-BWDL-JPMT-016C2<br>SHOU-BWDL-JPMT-016C3 | SHOU-BWDL-JPMT-016D1<br>SHOU-BWDL-JPMT-016D2<br>SHOU-BWDL-JPMT-016D3 |
| 样品类型（浮游生物、微生物）/<br>Sample type（larger，small plankton, microbes） | 10～50μm 生物<br>Organism 10～50μm in minimum dimension | ≥50μm 生物<br>Organism≥50μm in minimum dimension | 细菌<br>Bacteria | 水化指标<br>Water chemical index |
| 采用的取样技术/<br>Sampling techniques used | | | | |
| 网（垂直拖网高度、网口直径、孔尺寸）/Net (including depth of vertical net haul, net opening size, mesh size) | 斜径 10μm，网口直径 21cm，网高 52cm<br>Diagonal size:10μm opening size 21cm, Net length:52cm | 斜径 50μm，网口直径 54cm，网高 94cm<br>Diagonal size:50μm Opening size: 54cm, Net length:94cm | / | / |
| 泵（包括取样深度，泵流量 1/min）/<br>Pump（sampling depth, pump flow rate 1/min） | / | / | / | / |
| 瓶（包括取样深度、瓶容积 l）/<br>Bottle (sampling depth, bottle capacity) | 100ml 样品瓶<br>Sample bottle (100ml) | 250ml 样品瓶<br>Sample bottle (250ml) | 500ml 样品瓶*1,<br>Sample bottle (500ml)<br>100ml 样品瓶*2<br>Two sample bottles (100ml*2) | 5L 样品瓶<br>Sample bottle (5L) |

| | | | | |
|---|---|---|---|---|
| 使用的其他取样技术/<br>Specify other sampling technique if used | / | / | / | / |
| 取样开始时间/<br>Sampling start time | 18:25, 18:40, 18:55 | 18:25, 18:40, 18:55 | 18:25, 18:40, 18:55 | 18:25, 18:40, 18:55 |
| 取样结束时间/<br>Sampling end time | 18:35, 18:50, 19:05 | 18:35, 18:50, 19:05 | 18:35, 18:50, 19:05 | 18:35, 18:50, 19:05 |
| 取样点形式（吸入/排放）/<br>Type of sampling access point（uptake/ discharge） | 吸入(uptake) | 吸入(uptake) | 吸入(uptake) | 吸入(uptake |
| 取样点位置（吸入/排放）/<br>Location of sampling access point（uptake/ discharge） | S-1 | S-1 | S-1 | S-1 |
| 样品水量/<br>Water volume sampled | 10L*3 | $1m^3$*3 | 700ml *3 | 5L*3 |
| 集中样品的筛或网的尺寸 μm/<br>Size of the sieve for concentration of sample (μm) | 10μm | 50μm | / | / |
| 防腐剂（如使用）/<br>preservative（if used） | 甲醛<br>formaldehyde | 甲醛<br>formaldehyde | / | / |
| 冷冻容器、暗箱（如有）/<br>cooling container, dark storage | 暗箱<br>Dark box | 暗箱<br>Dark box | 冰箱<br>refrigerator | 冰箱<br>refrigerator |

记录人/Recorder：周逸　　采样员/Sampling Personnel：刘亮　　质量员/Quality manager：张宗信

项目负责人/Project manager：张代义　　监督人/Supervisor：

# 取样记录表/Sample Data Form

编号/NO.： 500-2-2

| 项 目/<br>Items | 内 容/<br>Description | 内 容/<br>Description | 内 容/<br>Description | 内 容/<br>Description |
|---|---|---|---|---|
| 取样日期/<br>Sampling date | 2013.7.14 | 2013.7.14 | 2013.7.14 | 2013.7.14 |
| 船舶名称/<br>Name of ship | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 |
| 识别号或字母/<br>Distinctive number or letters | CN20089032653 | CN20089032653 | CN20089032653 | CN20089032653 |
| 登记港/<br>Port of registry | 安庆<br>Anqing | 安庆<br>Anqing | 安庆<br>Anqing | 安庆<br>Anqing |
| 船舶总吨/<br>Gross tonnage | 1468 吨 | 1468 吨 | 1468 吨 | 1468 吨 |
| 船舶建造日期/<br>Date of construction | 2009.8.10 | 2009.8.10 | 2009.8.10 | 2009.8.10 |
| 压载水舱容/<br>Ballast water capacity | 1800m$^3$ | 1800m$^3$ | 1800m$^3$ | 1800m$^3$ |
| 试验地点（港口、码头）/<br>Origin of water sampled(port、harbor) | 山东青岛港 | 山东青岛港 | 山东青岛港 | 山东青岛港 |
| 取样舱的类型及位置/<br>Type and position of the sampled tank | 3#对照舱 | 3#对照舱 | 3#对照舱 | 3#对照舱 |
| 取样舱的容积/<br>Capacity of the sampled tank | 600m$^3$ | 600m$^3$ | 600m$^3$ | 600m$^3$ |
| 压载水管理方法/<br>Type of ballast water management undertaken | in line treatment | in line treatment | in line treatment | in line treatment |

| 压载水处理系统构成/<br>Make of ballast water management system | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/Filtration unit and Photo-catalytic reaction unit |
|---|---|---|---|---|
| 样品标识码/<br>sample ID code | SHOU-BWDL-JPMT- 016A4<br>SHOU-BWDL-JPMT- 016A5<br>SHOU-BWDL-JPMT- 016A6 | SHOU-BWDL-JPMT- 016B4<br>SHOU-BWDL-JPMT- 016B5<br>SHOU-BWDL-JPMT- 016B6 | SHOU-BWDL-JPMT-016C4<br>SHOU-BWDL-JPMT- 016C5<br>SHOU-BWDL-JPMT-016C6 | SHOU-BWDL-JPMT- 016D4<br>SHOU-BWDL-JPMT-016D5<br>SHOU-BWDL-JPMT-016D6 |
| 样品类型（浮游生物、微生物）/<br>Sample type（larger，small plankton, microbes） | 10～50μm 生物<br>Organism 10～50μm in minimum dimension | ≥50μm 生物<br>Organism≥50μm in minimum dimension | 细菌<br>Bacteria | 水化指标<br>Water chemical index |
| 采用的取样技术/<br>Sampling techniques used | | | | |
| 网（垂直拖网高度、网口直径、孔尺寸）/Net (including depth of vertical net haul, net opening size, mesh size) | 斜径 10μm，网口直径 21cm，网高 52cm<br>Diagonal size:10μm opening size 21cm, Net length:52cm | 斜径 50μm，网口直径 54cm，网高 94cm<br>Diagonal size:50μm Opening size: 54cm, Net length:94cm | / | / |
| 泵（包括取样深度，泵流量 1/min）/<br>Pump（sampling depth, pump flow rate 1/min） | / | / | / | / |
| 瓶（包括取样深度、瓶容积 l）/<br>Bottle (sampling depth, bottle capacity) | 100ml 样品瓶<br>Sample bottle (100ml) | 250ml 样品瓶<br>Sample bottle (250ml) | 500ml 样品瓶*1,<br>Sample bottle (500ml)<br>100ml 样品瓶*2<br>Two sample bottles (100ml*2) | 5L 样品瓶<br>Sample bottle (5L) |

| | | | | |
|---|---|---|---|---|
| 使用的其他取样技术/<br>Specify other sampling technique if used | / | / | / | / |
| 取样开始时间/<br>Sampling start time | 16:40, 16:55, 17:10 | 16:40, 16:55, 17:10 | 16:40, 16:55, 17:10 | 16:40, 16:55, 17:10 |
| 取样结束时间/<br>Sampling end time | 16:50, 17:05, 17:20 | 16:50, 17:05, 17:20 | 16:50, 17:05, 17:20 | 16:50, 17:05, 17:20 |
| 取样点形式（吸入/排放）/<br>Type of sampling access point（uptake/ discharge） | 吸入 (uptake) | 吸入 (uptake) | 吸入 (uptake) | 吸入 (uptake) |
| 取样点位置（吸入/排放）/<br>Location of sampling access point（uptake/ discharge） | S-2 | S-2 | S-2 | S-2 |
| 样品水量/<br>Water volume sampled | 10L*9 | $1m^3$*9 | 700ml *9 | 5L*9 |
| 集中样品的筛或网的尺寸 μm/<br>Size of the sieve for concentration of sample (μm) | 10μm | 50μm | / | / |
| 防腐剂（如使用）/<br>preservative（if used） | 甲醛<br>formaldehyde | 甲醛<br>formaldehyde | / | / |
| 冷冻容器、暗箱（如有）/<br>cooling container, dark storage | 暗箱<br>Dark box | 暗箱<br>Dark box | 冰箱<br>refrigerator | 冰箱<br>refrigerator |

记录人/Recorder：周越　　采样员/Sampling Personnel：刘亮　　质量员/Quality manager：孙雪宫

项目负责人/Project manager：张代文　　监督人/Supervisor：

# 取样记录表/Sample Data Form

编号/NO.：500-2-3

| 项 目/<br>Items | 内 容/<br>Description | 内 容/<br>Description | 内 容/<br>Description | 内 容/<br>Description |
|---|---|---|---|---|
| 取样日期/<br>Sampling date | 2013.7.17 | 2013.7.17 | 2013.7.17 | 2013.7.17 |
| 船舶名称/<br>Name of ship | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 |
| 识别号或字母/<br>Distinctive number or letters | CN20089032653 | CN20089032653 | CN20089032653 | CN20089032653 |
| 登记港/<br>Port of registry | 安庆<br>Anqing | 安庆<br>Anqing | 安庆<br>Anqing | 安庆<br>Anqing |
| 船舶总吨/<br>Gross tonnage | 1468 吨 | 1468 吨 | 1468 吨 | 1468 吨 |
| 船舶建造日期/<br>Date of construction | 2009.8.10 | 2009.8.10 | 2009.8.10 | 2009.8.10 |
| 压载水舱容/<br>Ballast water capacity | 1800m$^3$ | 1800m$^3$ | 1800m$^3$ | 1800m$^3$ |
| 试验地点（港口、码头）/<br>Origin of water sampled(port、harbor) | 山东威海朝阳港 | 山东威海朝阳港 | 山东威海朝阳港 | 山东威海朝阳港 |
| 取样舱的类型及位置/<br>Type and position of the sampled tank | 4#处理舱 | 4#处理舱 | 4#处理舱 | 4#处理舱 |
| 取样舱的容积/<br>Capacity of the sampled tank | 600m$^3$ | 600m$^3$ | 600m$^3$ | 600m$^3$ |
| 压载水管理方法/<br>Type of ballast water management undertaken | in line treatment | in line treatment | in line treatment | in line treatment |

| 压载水处理系统构成/<br>Make of ballast water management system | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/Filtration unit and Photo-catalytic reaction unit |
|---|---|---|---|---|
| 样品标识码/<br>sample ID code | SHOU-BWDL-JPMT- 016A7<br>SHOU-BWDL-JPMT- 016A8<br>SHOU-BWDL-JPMT- 016A9<br>SHOU-BWDL-JPMT- 016A10<br>SHOU-BWDL-JPMT- 016A11<br>SHOU-BWDL-JPMT- 016A12<br>SHOU-BWDL-JPMT- 016A13<br>SHOU-BWDL-JPMT- 016A14<br>SHOU-BWDL-JPMT- 016A15 | SHOU-BWDL-JPMT- 016B7<br>SHOU-BWDL-JPMT- 016B8<br>SHOU-BWDL-JPMT- 016B9<br>SHOU-BWDL-JPMT- 016B10<br>SHOU-BWDL-JPMT- 016B11<br>SHOU-BWDL-JPMT- 016B12<br>SHOU-BWDL-JPMT- 016B13<br>SHOU-BWDL-JPMT- 016B14<br>SHOU-BWDL-JPMT- 016B15 | SHOU-BWDL-JPMT- 016C7<br>SHOU-BWDL-JPMT- 016C8<br>SHOU-BWDL-JPMT- 016C9<br>SHOU-BWDL-JPMT- 016C10<br>SHOU-BWDL-JPMT- 016C11<br>SHOU-BWDL-JPMT- 016C12<br>SHOU-BWDL-JPMT- 016C13<br>SHOU-BWDL-JPMT- 016C14<br>SHOU-BWDL-JPMT- 016C15 | SHOU-BWDL-JPMT- 016D7<br>SHOU-BWDL-JPMT- 016D8<br>SHOU-BWDL-JPMT- 016D9<br>SHOU-BWDL-JPMT- 016D10<br>SHOU-BWDL-JPMT- 016D11<br>SHOU-BWDL-JPMT- 016D12<br>SHOU-BWDL-JPMT- 016D13<br>SHOU-BWDL-JPMT- 016D14<br>SHOU-BWDL-JPMT- 016D15 |
| 样品类型（浮游生物、微生物）/<br>Sample type（larger，small plankton, microbes） | 10～50μm 生物<br>Organism 10～50μm in minimum dimension | ≥50μm 生物<br>Organism≥50μm in minimum dimension | 细菌<br>Bacteria | 水化指标<br>Water chemical index |
| 采用的取样技术/<br>Sampling techniques used | | | | |
| 网（垂直拖网高度、网口直径、孔尺寸）/Net (including depth of vertical net haul, net opening size, mesh size) | 斜径 10μm，网口直径 21cm，网高 52cm<br>Diagonal size:10μm opening size 21cm, Net length:52cm | 斜径 50μm，网口直径 54cm，网高 94cm<br>Diagonal size:50μm Opening size: 54cm, Net length:94cm | / | / |
| 泵（包括取样深度，泵流量 1/min）/<br>Pump（sampling depth, pump flow rate 1/min） | / | / | / | / |

| 瓶（包括取样深度、瓶容积 l）/ Bottle (sampling depth, bottle capacity) | 100ml 样品瓶 Sample bottle (100ml) | 250ml 样品瓶 Sample bottle (250ml) | 500ml 样品瓶*1, Sample bottle (500ml) 100ml 样品瓶*2 Two sample bottles (100ml*2) | 5L 样品瓶 Sample bottle (5L) |
|---|---|---|---|---|
| 使用的其他取样技术/ Specify other sampling technique if used | / | / | / | / |
| 取样开始时间/ Sampling start time | 6:10, 6:25, 6:40 | 6:10, 6:25, 6:40 | 6:10, 6:25, 6:40 | 6:10, 6:25, 6:40 |
| 取样结束时间/ Sampling end time | 6:20, 6:35, 6:50 | 6:20, 6:35, 6:50 | 6:20, 6:35, 6:50 | 6:20, 6:35, 6:50 |
| 取样点形式（吸入/排放）/ Type of sampling access point（uptake/ discharge） | 排放 (discharge) | 排放 (discharge) | 排放 (discharge) | 排放 (discharge) |
| 取样点位置（吸入/排放）/ Location of sampling access point（uptake/ discharge） | S-3 | S-3 | S-3 | S-3 |
| 样品水量/ Water volume sampled | 10L*9 | $1m^3$*9 | 700ml *9 | 5L*9 |
| 集中样品的筛或网的尺寸 μm/ Size of the sieve for concentration of sample (μm) | 10μm | 50μm | / | / |
| 防腐剂（如使用）/ preservative（if used） | 甲醛 formaldehyde | 甲醛 formaldehyde | / | / |
| 冷冻容器、暗箱（如有）/ cooling container, dark storage | 暗箱 Dark box | 暗箱 Dark box | 冰箱 refrigerator | 冰箱 refrigerator |

记录人/Recorder：

采样员/Sampling Personnel：

质量员/Quality manager：

项目负责人/Project manager：张代文

监督人/Supervisor：

# 取样记录表/Sample Data Form

编号/NO.： 500-2-4

| 项 目/<br>Items | 内 容/<br>Description | 内 容/<br>Description | 内 容/<br>Description | 内 容/<br>Description |
|---|---|---|---|---|
| 取样日期/<br>Sampling date | 2013.7.17 | 2013.7.17 | 2013.7.17 | 2013.7.17 |
| 船舶名称/<br>Name of ship | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 | 顺安 328<br>ShunAn 328 |
| 识别号或字母/<br>Distinctive number or letters | CN20089032653 | CN20089032653 | CN20089032653 | CN20089032653 |
| 登记港/<br>Port of registry | 安庆<br>Anqing | 安庆<br>Anqing | 安庆<br>Anqing | 安庆<br>Anqing |
| 船舶总吨/<br>Gross tonnage | 1468 吨 | 1468 吨 | 1468 吨 | 1468 吨 |
| 船舶建造日期/<br>Date of construction | 2009.8.10 | 2009.8.10 | 2009.8.10 | 2009.8.10 |
| 压载水舱容/<br>Ballast water capacity | 1800m$^3$ | 1800m$^3$ | 1800m$^3$ | 1800m$^3$ |
| 试验地点（港口、码头）/<br>Origin of water sampled(port、harbor) | 山东威海朝阳港 | 山东威海朝阳港 | 山东威海朝阳港 | 山东威海朝阳港 |
| 取样舱的类型及位置/<br>Type and position of the sampled tank | 3#对照舱 | 3#对照舱 | 3#对照舱 | 3#对照舱 |
| 取样舱的容积/<br>Capacity of the sampled tank | 600m$^3$ | 600m$^3$ | 600m$^3$ | 600m$^3$ |
| 压载水管理方法/<br>Type of ballast water management undertaken | in line treatment | in line treatment | in line treatment | inline treatment |

| 压载水处理系统构成/<br>Make of ballast water management system | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/ Filtration unit and Photo-catalytic reaction unit | 过滤单元和光催化反应单元/Filtration unit and Photo-catalytic reaction unit |
|---|---|---|---|---|
| 样品标识码/<br>sample ID code | SHOU-BWDL-JPMT-016A16<br>SHOU-BWDL-JPMT-016A17<br>SHOU-BWDL-JPMT-016A18 | SHOU-BWDL-JPMT-016B16<br>SHOU-BWDL-JPMT-016B17<br>SHOU-BWDL-JPMT-016B18 | SHOU-BWDL-JPMT-016C16<br>SHOU-BWDL-JPMT-016C17<br>SHOU-BWDL-JPMT-016C18 | SHOU-BWDL-JPMT-016D16<br>SHOU-BWDL-JPMT-016D17<br>SHOU-BWDL-JPMT-016D18 |
| 样品类型（浮游生物、微生物）/<br>Sample type（larger，small plankton, microbes） | 10～50μm 生物<br>Organism 10～50μm in minimum dimension | ≥50μm 生物<br>Organism≥50μm in minimum dimension | 细菌<br>Bacteria | 水化指标<br>Water chemical index |
| 采用的取样技术/<br>Sampling techniques used | | | | |
| 网（垂直拖网高度、网口直径、孔尺寸）/Net (including depth of vertical net haul, net opening size, mesh size) | 斜径 10μm，网口直径 21cm，网高 52cm<br>Diagonal size:10μm opening size 21cm, Net length:52cm | 斜径 50μm，网口直径 54cm，网高 94cm<br>Diagonal size:50μm Opening size: 54cm, Net length:94cm | / | / |
| 泵（包括取样深度，泵流量 1/min）/<br>Pump（sampling depth, pump flow rate 1/min） | / | / | / | / |
| 瓶（包括取样深度、瓶容积 l）/<br>Bottle (sampling depth, bottle capacity) | 100ml 样品瓶<br>Sample bottle (100ml) | 250ml 样品瓶<br>Sample bottle (250ml) | 500ml 样品瓶*1,<br>Sample bottle (500ml)<br>100ml 样品瓶*2<br>Two sample bottles (100ml*2) | 5L 样品瓶<br>Sample bottle (5L) |

| | | | | |
|---|---|---|---|---|
| 使用的其他取样技术/<br>Specify other sampling technique if used | / | / | / | / |
| 取样开始时间/<br>Sampling start time | 7:10，7:25，7:40 | 7:10，7:25，7:40 | 7:10，7:25，7:40 | 7:10，7:25，7:40 |
| 取样结束时间/<br>Sampling end time | 7:20，7:35，7:50 | 7:20，7:35，7:50 | 7:20，7:35，7:50 | 7:20，7:35，7:50 |
| 取样点形式（吸入/排放）/<br>Type of sampling access point（uptake/ discharge） | 排放 (discharge) | 排放 (discharge) | 排放 (discharge) | 排放 (discharge) |
| 取样点位置（吸入/排放）/<br>Location of sampling access point（uptake/ discharge） | S-4 | S-4 | S-4 | S-4 |
| 样品水量/<br>Water volume sampled | 10L*3 | $1m^3$*3 | 700ml *3 | 5L*3 |
| 集中样品的筛或网的尺寸 μm/<br>Size of the sieve for concentration of sample (μm) | 10μm | 50μm | / | / |
| 防腐剂（如使用）/<br>preservative（if used） | 甲醛<br>formaldehyde | 甲醛<br>formaldehyde | / | / |
| 冷冻容器、暗箱（如有）/<br>cooling container, dark storage | 暗箱<br>Dark box | 暗箱<br>Dark box | 冰箱<br>refrigerator | 冰箱<br>refrigerator |

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