

Certificate CN21/10516

The management system of



Samsung China Semiconductor Co., Ltd.

Unified Social Credit Code 916101310515730361

Business Registration Address: No. 1999, North Xiaohe Road, Hi-Tech Industries Development Zone, Xi'an, Shaanxi

Business Operation Address: No. 1999, North Xiaohe Road, Hi-Tech Industries Development Zone, Xi'an, Shaanxi, P.R. China

has been assessed and certified as meeting the requirements of

**GB/T 23331-2020/
ISO 50001:2018
RB/T 101-2013**

For the following activities

Manufacture of 12 inches flash memory chips, testing and packaging of the Embedded Multi Media Card (EMMC), and assembling of Solid State Drive (SSD) involving management of energy procurement, receiving, storage, processing and conversion, transmission and distribution, use, and the utilization of energy-saving technologies

For the detail information regarding boundaries and comprehensive energy consumption, please see the appendix with the same number of this certificate and it is the component of this certificate.

This certificate is valid from 09 April 2024 until 08 April 2027 and remains valid subject to satisfactory surveillance audits.

Re certification audit due a minimum of 60 days before the expiration date
Issue 3. Certified since 09 April 2021.



Authorized by

David Xin
Sr. Director - Business Assurance

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The certification information can be verified on the web site of Certification and Accreditation Administration of the People's Republic of China www.cnca.gov.cn



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Samsung China Semiconductor Co., Ltd.

Unified Social Credit Code 916101310515730361
No. 1999, North Xiaohu Road, Hi-Tech Industries
Development Zone, Xi'an, Shaanxi, P.R. China

GB/T 23331-2020/ ISO 50001:2018 RB/T 101-2013

Issue 3



Organization's energy performance indicators and boundaries

Audit type and date	Energy consumption per unit product or unit output value during audit cycle	Boundaries
Recertification 11-15 Mar. 2024	From Jul. 2022 to Mar. 2023 0.0466 tce/ten thousand yuan 1.18 kgce/layer From Apr. 2023 to Dec. 2023 0.0858 tce/ten thousand yuan 1.88 kgce/layer	Samsung China Semiconductor Co., Ltd. locates in No. 1999, North Xiaohu Road, Hi-Tech Industries Development Zone, Xi'an, Shaanxi, P.R. China. The main energy consuming processes include the main production system, such as manufacture of 12 inches flash memory chips, testing and packaging of the Embedded Multi Media Card (EMMC), and assembling of Solid State Drive (SSD), and auxiliary production processes, such as refrigeration system, air conditioning system, boiler system, pure water system, waste water treatment system, power supply and distribution system, lighting system, and the subsidiary processes, such as canteen From Jul. 2022 to Mar. 2023, the production quantity of 12 inches flash memory chips (including chips for SSD) is 285,376,099 layers From Apr. 2023 to Dec. 2023, the production quantity of 12 inches flash memory chips (including chips for SSD) is 168,185,928 layers
1 st Sur		
2 nd Sur		

证书 CN21/10516

下述组织



三星(中国)半导体有限公司

统一社会信用代码 916101310515730361

注册地址: 陕西省西安市高新区浣河北路 1999 号
经营地址: 中国陕西省西安市高新区浣河北路 1999 号

的管理体系已经过审核, 并被证明符合下述要求

**GB/T 23331-2020/
ISO 50001:2018
RB/T 101-2013**

所涉及的活动范围覆盖

12 英寸闪存芯片的制造, 嵌入式存储芯片的封装和测试, 固态硬盘的组装过程
涉及到的能源采购、接收、贮存、加工转换、输配、使用的管理及节能技术
的应用

获证组织上年度和本年度的单位产品综合能耗和万元产值能耗及能耗核算边界见标有相同证书注册号的证书
附件, 证书附件是本证书的组成部分

该证书的有效期自 2024 年 04 月 09 日至 2027 年 04 月 08 日
并须经过符合要求的监督审核保持有效
持续认证至少在证书失效前 60 天执行
版本号 3. 初始注册日期 2021 年 04 月 09 日

签署

David Xin
Sr. Director - Business Assurance

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本证书信息可在国家认证认可监督管理委员会公示的网站 www.cnca.gov.cn 上查询

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三星(中国)半导体有限公司

统一社会信用代码 916101310515730361
中国陕西省西安市高新区浣河北路 1999 号

GB/T 23331-2020/
ISO 50001:2018
RB/T 101-2013

版本号 3



获证组织能效指标及能耗核算边界

审核类型及时间	审核周期内单位产品/产值能耗	能耗核算边界
再认证审核 2024 年 03 月 11-15 日	2022 年 7 月-2023 年 3 月 0.0466 吨标准煤/万元 1.18 公斤标准煤/层 2023 年 04 月—2023 年 12 月 0.0858 吨标准煤/万元 1.88 公斤标准煤/层	位于中国陕西省西安市高新区浣河北路 1999 号的三星(中国)半导体有限公司。主要用能过程包括 12 英寸闪存芯片的制造, 嵌入式存储芯片的封装和测试, 固态硬盘的组装等主要生产系统, 冷冻系统、空调系统、锅炉系统、纯水系统、废水处理系统、供配电系统、照明系统等辅助生产系统以及食堂等附属生产系统 2022 年 07 月—2023 年 03 月, 12 英寸闪存芯片(含固态硬盘用芯片)产量为 285,376,099 层 2023 年 04 月—2023 年 12 月, 12 英寸闪存芯片(含固态硬盘用芯片)产量为 168,185,928 层
第 1 次监督 年 月 日		
第 2 次监督 年 月 日		