If you have a Samsung phone with One UI version 5 or 6, here are two convenient ways to check your battery's health.

If you are uncertain about the operational procedures, it is advisable to visit a service center and seek assistance from professional staff to ensure safety.

No. 1 Via ADB Debugging

1. Turn on ADB Debugging on the phone. Open phone settings > > About Phones >> Software Information >> Tap on the build number 7 times >> Enter your pin >> Go back to phone settings >> Scroll down and tap on Developer's options >> Scroll down and toggle on USB Debugging >> Tap OK.
   You may follow this video.
2. On your Windows PC, download the SDK Platform-Tools for Windows here.
3. Extract the zip file and go into the folder of "platform-tools".
4. Type "cmd" on the address bar of the file explorer.
5. Type "adb devices" on the popped up terminal windows. Check your phone now and tap on the allow button when prompted.
6. Now, you see a list of adb devices.
7. Then, type "**adb shell dumpsys battery**". You will get a list of information and the bottom part of it will be looking like the image below.

8. **mSavedBatteryAsoc** is the Absolute State of Charge (ASOC). The ASOC is a calculated reference value based on the designed fixed capacity value when the battery is manufactured. The ASOC of a fully charged brand new battery is 100% while an aging battery cannot reach 100% even in different charging and discharging conditions while fully charged. **TLDR**; ASOC can be considered as the battery health in percentage.
9. **mSavedBatteryUsage**: The first 3 digits is the battery charging cycle of the phone. 29850 means the charge cycle is 298.

No. 2 Check phone dumpsys log

1. Open phone app, key in *#9900#.
2. Tap on "Run dumpstate/logcat" and wait for it (it may take several minutes).
3. Tap the OK button when the **Dump Result** window pops up.
4. Tap "Copy to sdcard(include CP Ramdump)".
5. Open My Files app, go to Internal Storage >> log >> Search for "**dumpState_xxxxx.zip**". Share this zip file to your PC.
6. Unzip the file and look for a text file "**dumpstate.txt**", open it. You may also unzip it on the phone if you are on OneUI 5/6.I suggest you open it on a PC, it will be easier to search for the information you need.
7. After opening the file, search for "**mSavedBatteryAsoc**".

```
BatteryInfoBackUp
  mSavedBatteryAsoc: 99
```

   mSavedBatteryAsoc is the Absolute State of Charge (ASOC). The ASOC is a calculated reference value based on the designed fixed capacity value when the battery is manufactured. The ASOC of a fully charged brand new battery is 100% while an aging battery cannot reach 100% even in different charging and discharging conditions while fully charged. **TLDR**; ASOC can be considered as the battery health of a Samsung phone in percentage.

8. Then, search for "**battery_cycle**".

```
[7:  system_server: 2784] !@[BatteryInfo] writeToFile /sys/class/power_supply/battery/battery_cycle: 298
```

   This will show the battery charging cycle of your phone, which is 298.