

CHOWIS

YOUR CHOICE OF DIAGNOSIS



dermo Pico
dpiVISO

Full Manual

dermo Pico



dermo Pico

dpiVISO

For more information visit us at www.chowis.com

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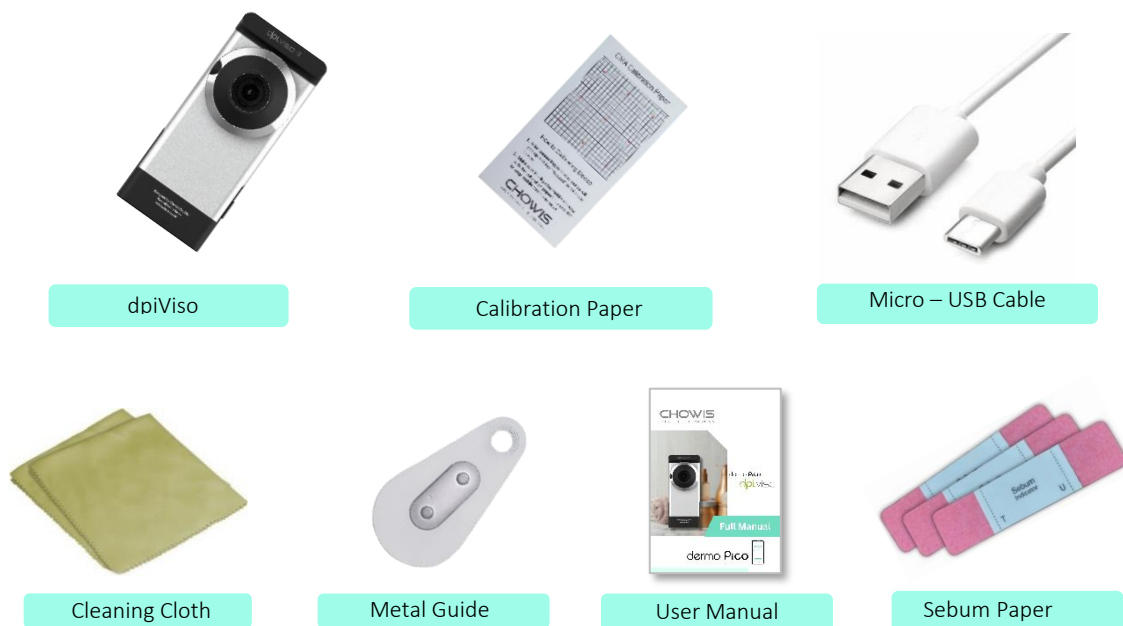
DEVICE OVERVIEW



1. Moisture sensor
2. Magnetic attachment
3. Serial Number
4. Light Indicator

5. Micro – USB port
6. Non – removable lens
7. Switch ON/OFF

PACKAGE INCLUSIONS



SAFETY PRECAUTIONS

Please make sure to read these instructions in the manual carefully before using the device for safety and proper use.

Do NOT touch or insert any items into the optical unit/lens.

Putting foreign substances inside the optical unit or touching the inner part of the lens can affect image quality causing the images to become blurred or unclear. In case there is dust on the lens, use the provided air blower to remove it. Also, do NOT put fingers or hands or other substances into the optical unit/lens. Potential damage can occur to the handset if attempted.

Do NOT look directly into the light of the optical unit.

The optical unit has multiple LEDs which can emit high brightness. Do not look into the light directly to prevent damaging the eyesight.

Do NOT use the handset while charging.

The USB charger (separate purchase available) can cause static in case the handset is used while being charged. It can also affect the analysis result. Therefore, please refrain from using the handset while charging.

Do NOT let conductive materials/substances come into contact with the charger socket or the sensor of the handset.

Do NOT let conductive material (scrap metal, lead etc.) come into contact or get inside of the sensor or the charger socket of the handset. If something seems wrong, stop using the handset and inquire at the retailer or customer support center.

Use the device at temperatures between 5c° ~ 40c°.

Proper storage is required for the device. Potential damage can occur on the handset such as errors or abnormal battery discharge in case the handset is used or stored in too hot or too cold places.

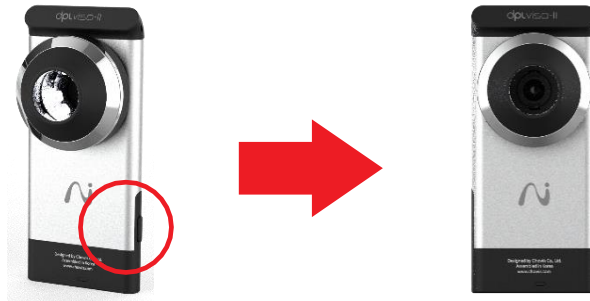
Place the device in a dry location, away from moisture or humidity.

Do NOT touch the device with wet hands or use it in a humid environment.

HOW TO USE THE DEVICE

ATTACHING DEVICE TO PHONE

1. Press switch button of the dpiViso device for 3 seconds until LED light blinks.



2. Attach the holder to the back camera of mobile phone.



3. Attach the dpiViso device on the metal guide of the smart phone or the phone cover. Mount device to the metal guide.



HOW TO INSTALL

APP INSTALLATION

1. Launch Google Play Store or Appstore and search "Chowis" or "Dermopico Skin"



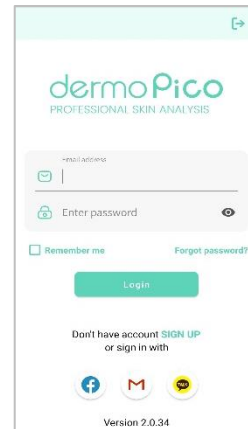
2. Select '**DERMOPICO SKIN**' and press 'Install' to proceed



HOW TO SIGN UP

HOW TO SIGN UP

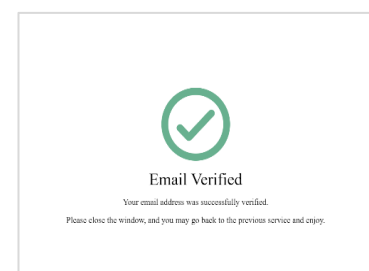
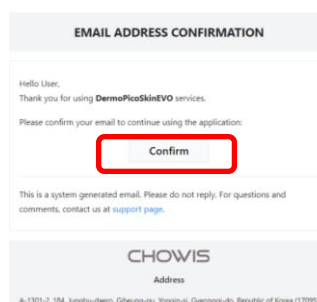
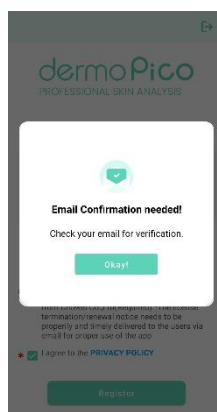
1. Open the “**DermoPico Skin App**” app
2. Tap “**Sign Up**” to create an account.



3. Type the e-mail address and password you want to use, and accept the required terms and conditions, then click the “**Register**” button.



4. Once registration is successful, a verification email will be sent to your registered email address.
5. Open email from **CHOWIS SERVICE** and click the “**CONFIRM**” button to proceed

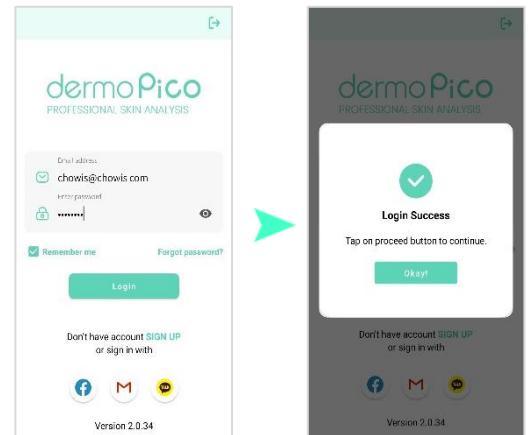


HOW TO LOG IN

HOW TO LOG IN

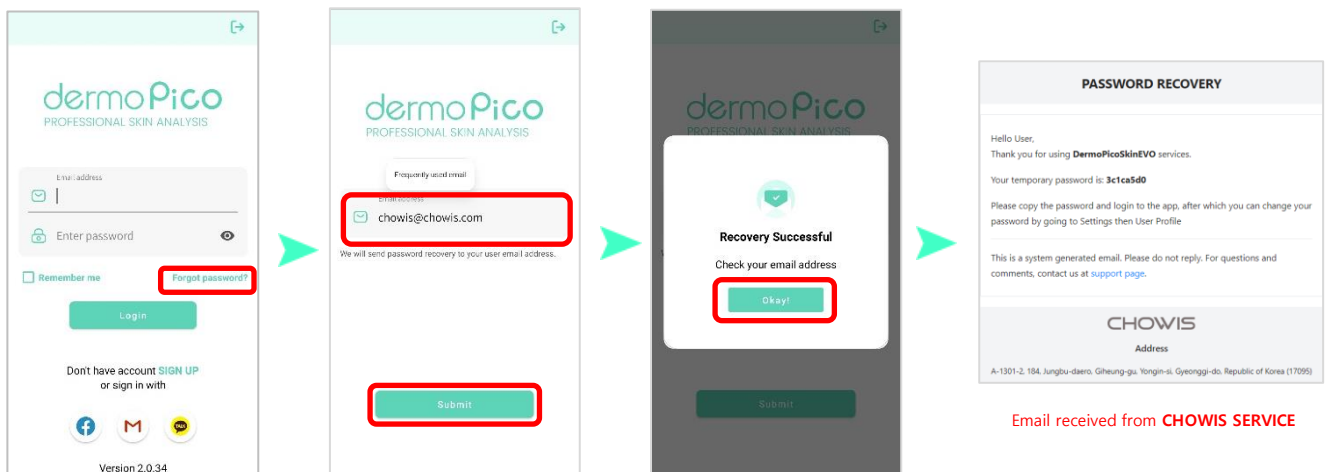
- ACCOUNT LOG IN

1. Open **DermoPico Skin** app.
2. Login to your account and tap the **"Login"** button to log in to the app, then tap the **"Proceed"** button to continue.




- FORGET PASSWORD

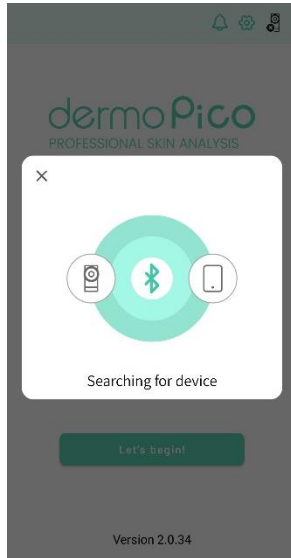
If you forgot the password, tap on **"Forgot Password?"** and type the recovery email address and tap on **SUBMIT**. An email from **CHOWIS SERVICE** will be received the temporary password on it



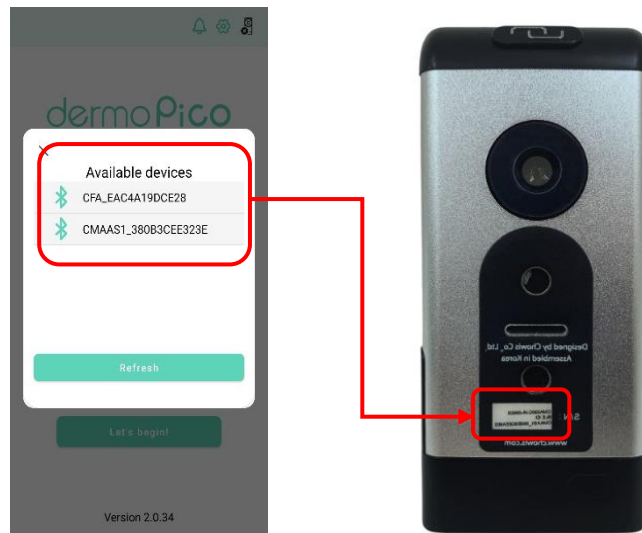
HOW SET UP DEVICE

DEVICE ACTIVATION / DEVICE SET UP

1. After the Login is successful, app will automatically search for an available device to connect. Please ensure that **dpiVISO** device is switched ON prior to app login and phone's BLUETOOTH  is ON as well.



2. After app is done with device searching, available BLE ID (Bluetooth ID) will appear on the screen, choose the one that matches your device.



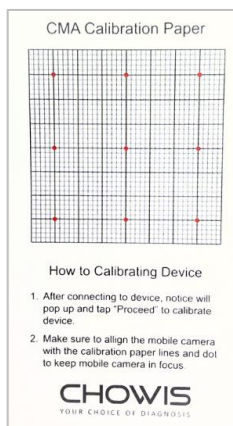
NOTE: If connection was successful, Bluetooth indicator will change to GREEN  if not it will remain BLACK 

HOW SET UP DEVICE

DEVICE CALIBRATION

- GUIDELINES ON HOW TO PROPERLY ATTACH DEVICE TO SMARTPHONE AND HOW TO USE CALIBRATION PAPER

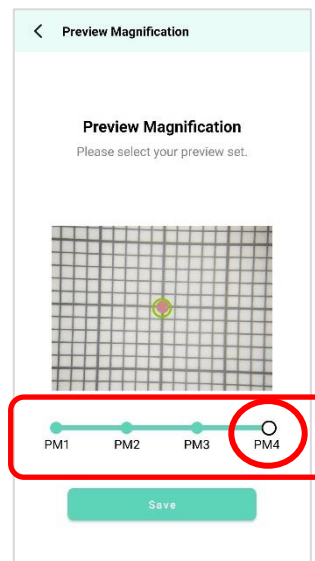
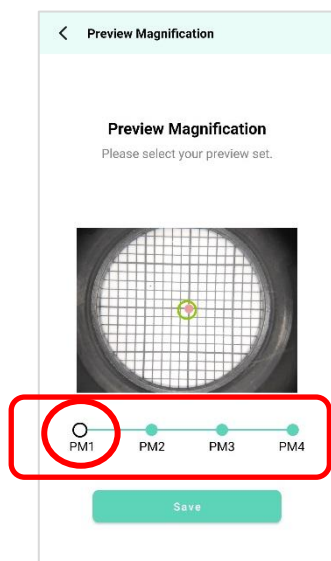
To perform the calibration, make sure you have the CMA Skin device correctly attached to the smartphone allowing ideal alignment of the camera lens and the CMA Skin device peephole.



CALIBRATION PAPER

- PREVIEW MAGNIFICATION

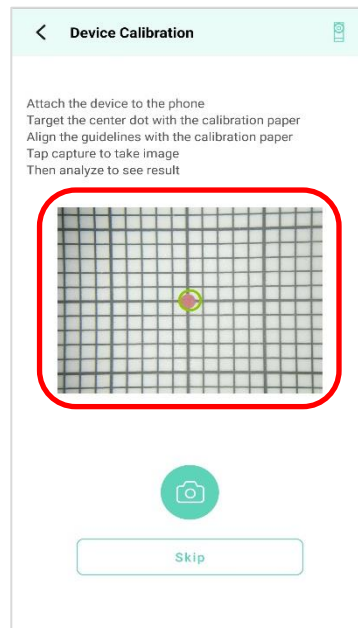
You can alter your preview configuration by adjusting the camera zoom from its lowest setting, **PM1**, to its highest setting, **PM4**.



HOW SET UP DEVICE

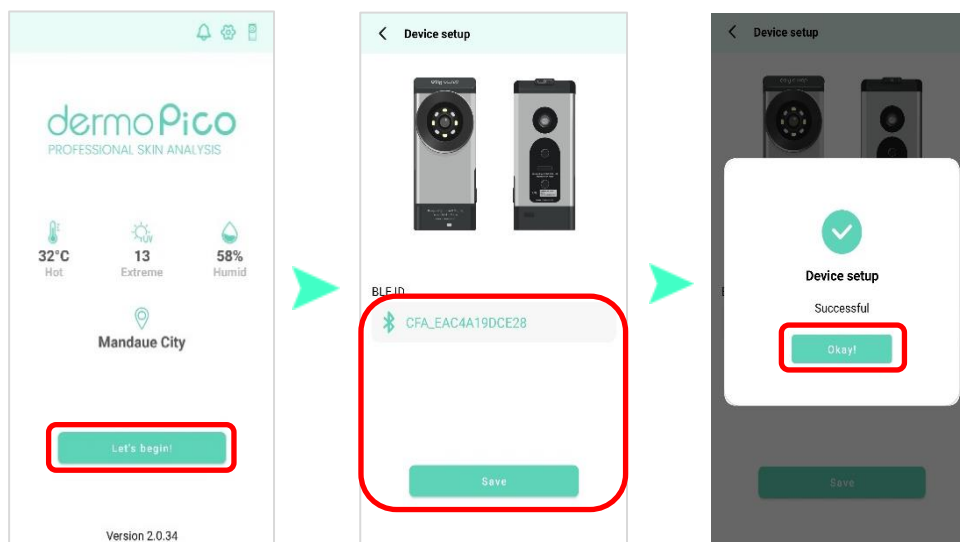
- CALIBRATING DEVICE

After adjustment of the device's preview magnification, next step would be to capture image of the calibration paper. Ensure that the middle red dot is at the center of the field - of - view (FoV), or say at the center of the peephole of the CMA Skin device.



DEVICE REGISTRATION

After successful device activation, device registration will follow. Kindly review the BLE ID (Bluetooth ID) of the analyzer which can be found at the back of the device. Press **SAVE** to complete registration



ANALYSIS FLOW

SELECT MODE OF ANALYSIS

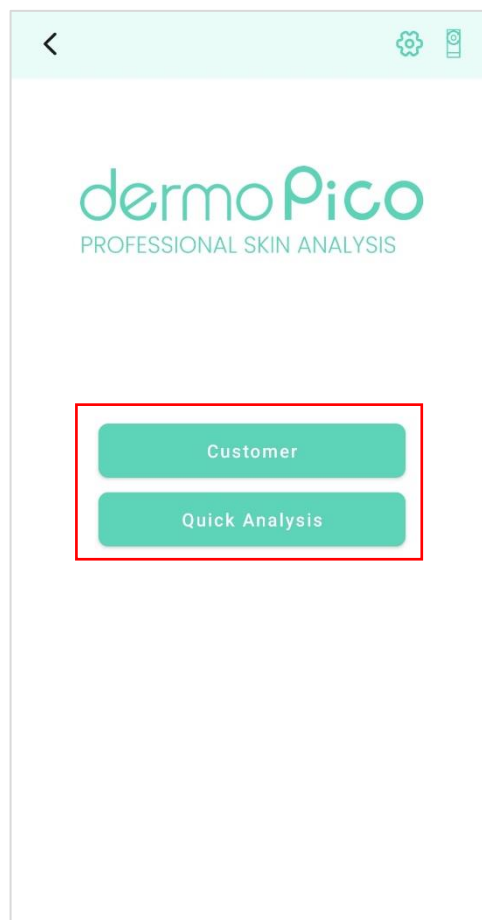
The analysis can be performed in one of two modes: '**Customer**' and '**Quick Analysis**' mode

- CUSTOMER

When selected, this option allows you to manage existing customer profiles or register a new one using the function "**Add Customer**", which requires to input specific details of the customer including name, age, and gender, and save all information for the next and succeeding analysis sessions.

- QUICK ANALYSIS

Quick Analysis is an option without specific customer registration. The diagnosis process is the same as total diagnosis, but customer data management is not available and data will not be saved including images and results.

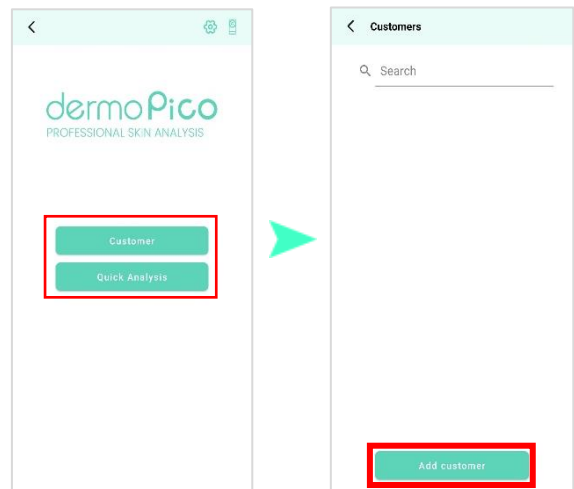


ANALYSIS FLOW

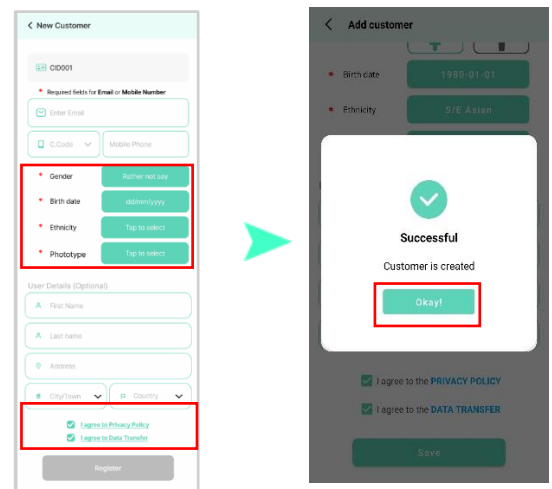
CUSTOMER

- New Customer Registration

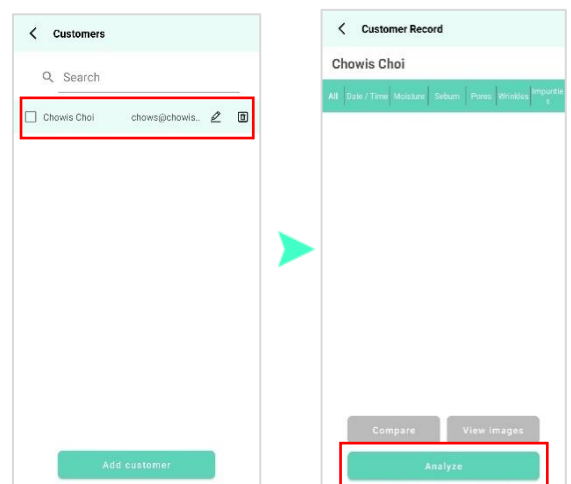
1. Press **Customer** from the main screen and tap on **Add Customer** button at the bottom of the screen



2. Fill in all the required fields marked with (*). After completing the form, check and agree to the "Privacy Policy" and "Data Transfer" at the bottom and press the **"Save"** button.

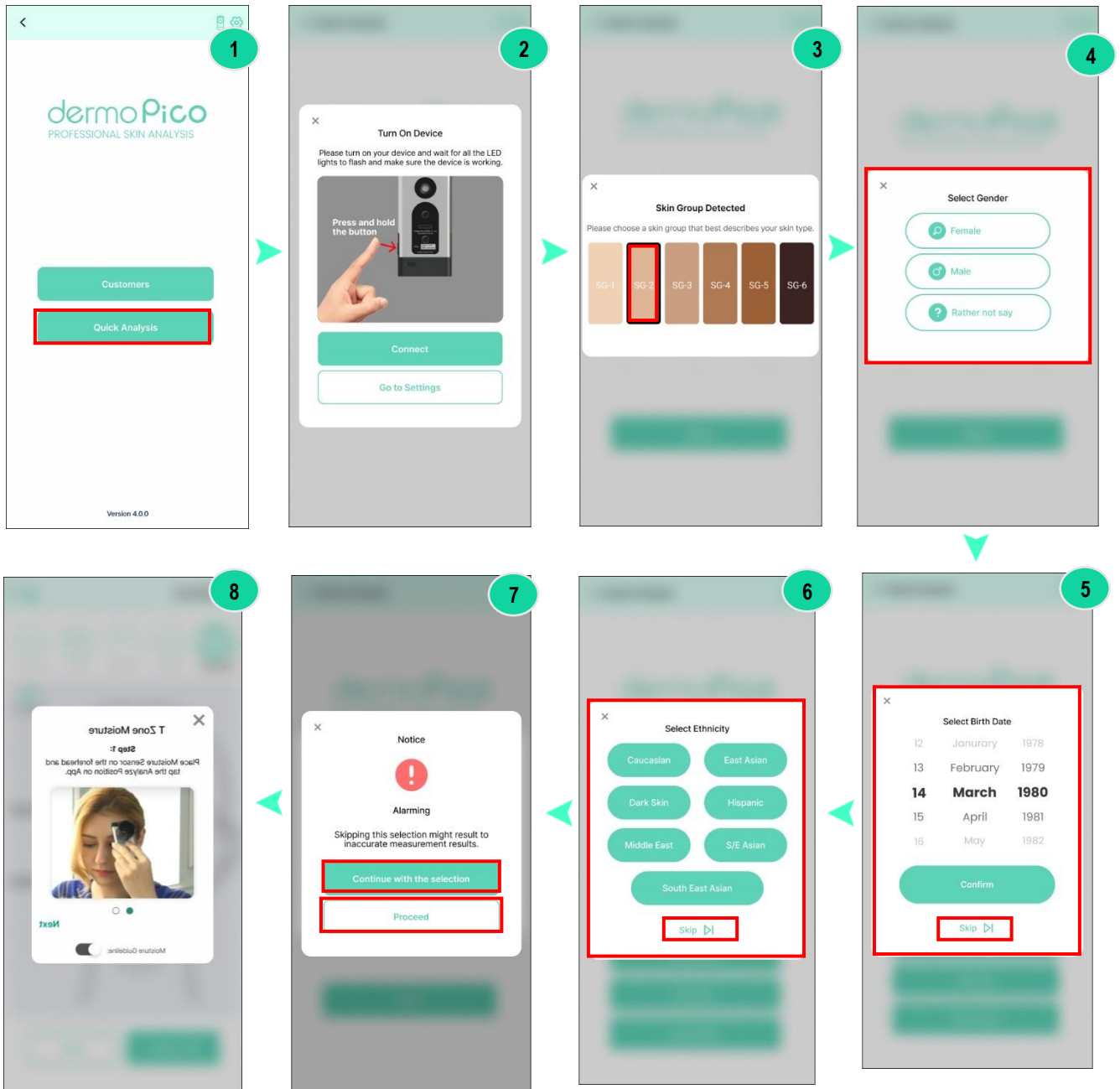


3. After successful Registration, Customer profile will be available in the CUSTOMER PAGE, tap on it to open CUSTOMER RECORD PAGE and press on the **ANALYZE** button to proceed with analysis.



ANALYSIS FLOW

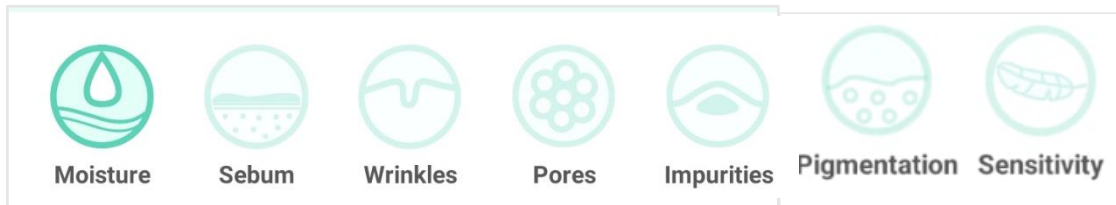
QUICK ANALYSIS



ANALYSIS FLOW

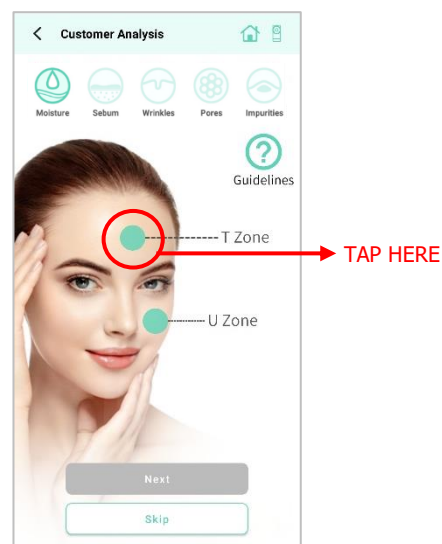
ANALYZING MOISTURE

1. **Moisture** icon is automatically selected.



2. Proceed by placing the moisture sensor on the **T-ZONE** (forehead area) and press on the T-ZONE icon as shown on the app screenshot

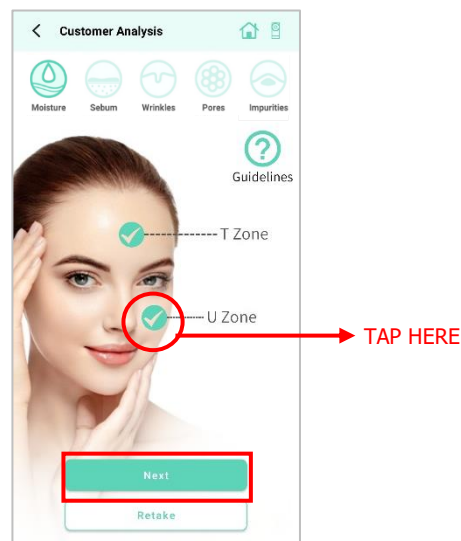
MOSTURE SENSOR



3. Place the moisture sensor on the **U-ZONE** (cheek area) of the skin and press on the U-ZONE Icon on the app.

4. Once both checkmark shows on the T-ZONE and U-ZONE on app, you can now press **NEXT** button to proceed with next measurement.

MOSTURE SENSOR



ANALYSIS FLOW

ANALYZING SEBUM

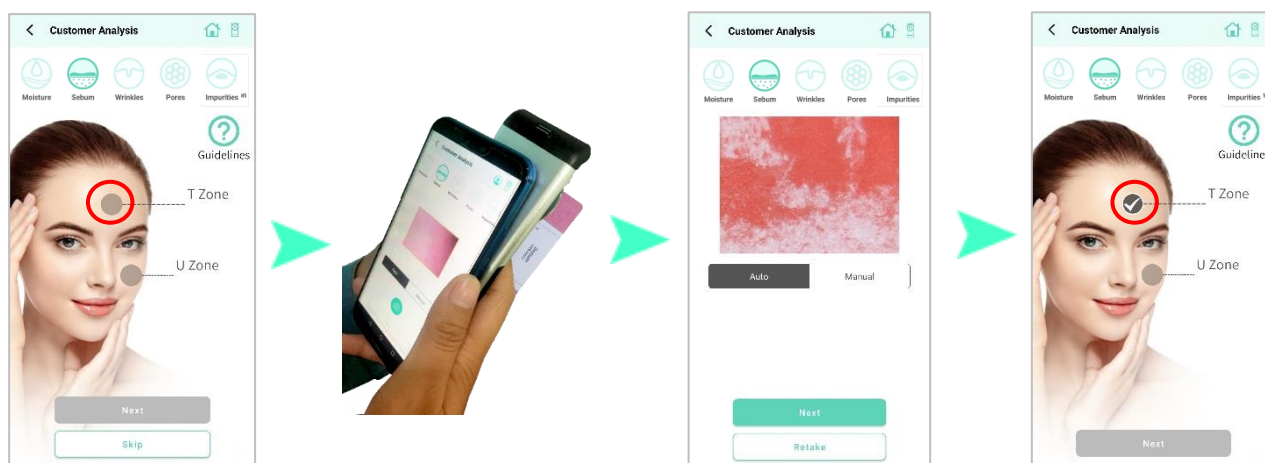
1. **Sebum** icon is automatically selected on the app.



2. Dab the pink area of the Sebum Paper onto the forehead area for about 3 seconds.

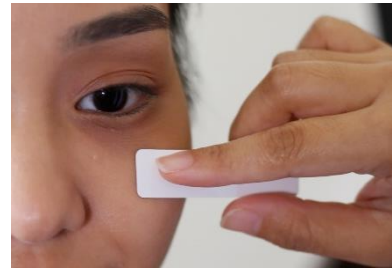
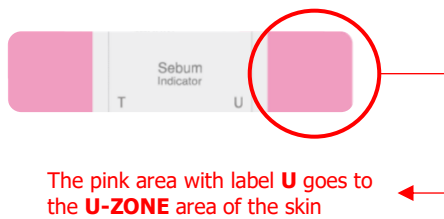


3. Tap **T ZONE** icon to activate the camera. Place the used pink paper part of the sebum paper in front of the camera lens then press **CAMERA** icon to take picture. Make sure that the captured image of the sebum paper should only show the whole pink paper
4. Once done press on the **NEXT** button to proceed with **U ZONE** area. Checkmark icon on T ZONE indicates that you can now proceed to next step

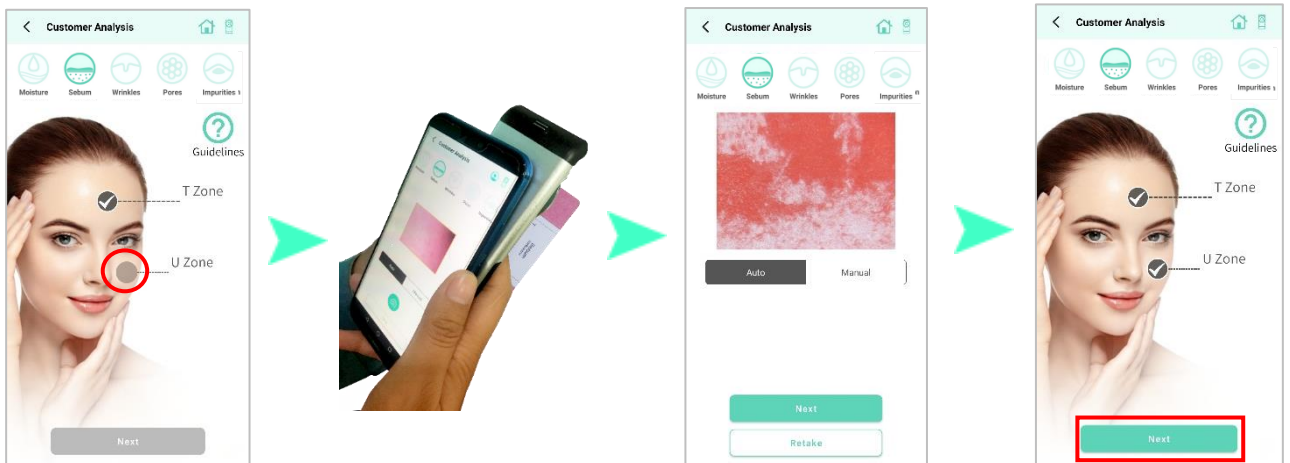


ANALYSIS FLOW

5. Dab the pink area of the Sebum Paper onto the cheek area for about 3 seconds.



6. Tap **U ZONE** icon to activate the camera. Place the other side of the pink paper part part of the sebum paper in front of the camera lens then press **CAMERA** icon to take picture. Make sure that the captured image of the sebum paper should only show the whole pink paper
7. Once done press on the **NEXT** button to proceed with next measurement



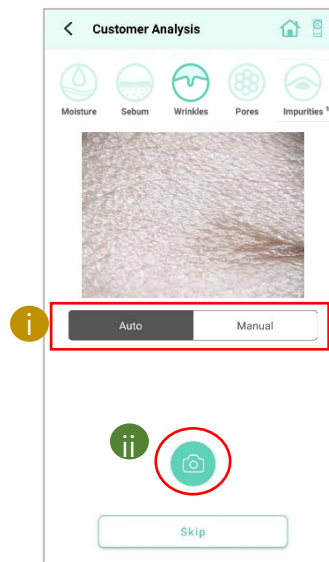
ANALYSIS FLOW

ANALYZING WRINKLES

1. **Wrinkles** icon is automatically selected on the app.

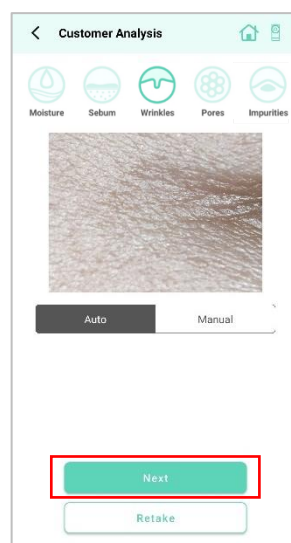


2. Place the camera lens on the side area of the eye and make sure that camera isn't too far nor too close to the eye. Once ready, tap on the camera icon on the app



- i** Change focus mode of camera
- ii** Take Image/Capture button

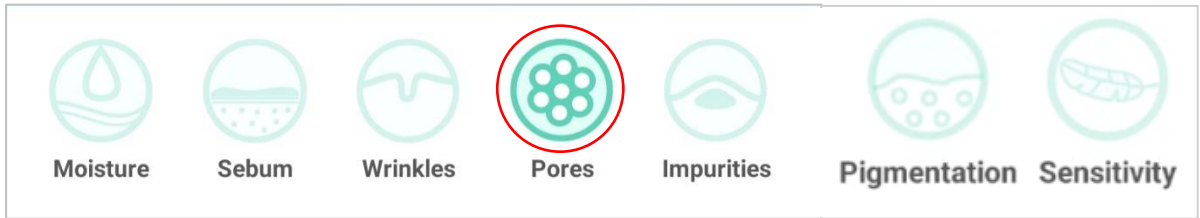
3. Once done, press on the **NEXT** button to proceed to next measurement



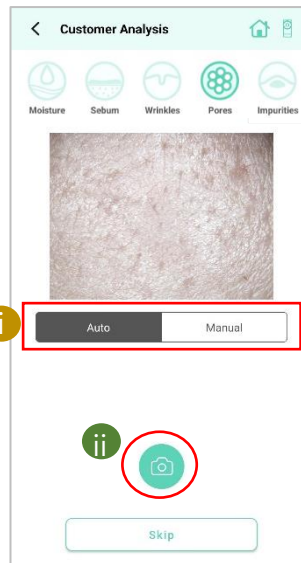
ANALYSIS FLOW

ANALYZING PORES

1. **Pores** icon is automatically selected on the app.



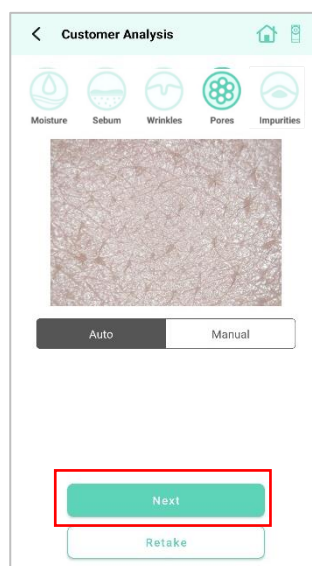
2. Place the device's lens on the area to be captured and press the camera button



i Change focus mode of camera

ii Take Image/Capture button

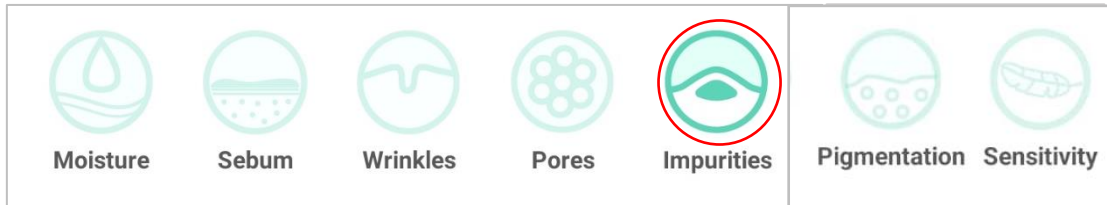
3. Press the **NEXT** button on the screen to proceed to next measurement.



ANALYSIS FLOW

ANALYZING IMPURITIES

1. Impurities icon is automatically selected on the app.



2. Place the device's lens on the area to be captured and press the camera button



- i Change focus mode of camera
- ii Take Image/Capture button

3. Press the **NEXT** button on the screen to proceed

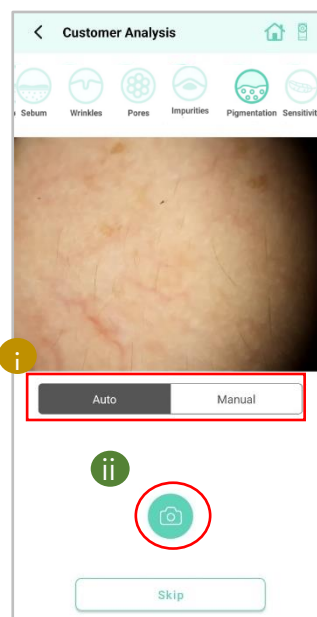
ANALYSIS FLOW

ANALYZING PIGMENTATION

1. Pigmentation icon is automatically selected on the app.



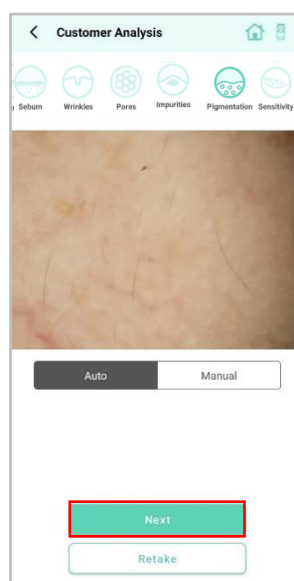
2. Place the device's lens on the area to be captured and press the camera button



i Change focus mode of camera

ii Take Image/Capture button

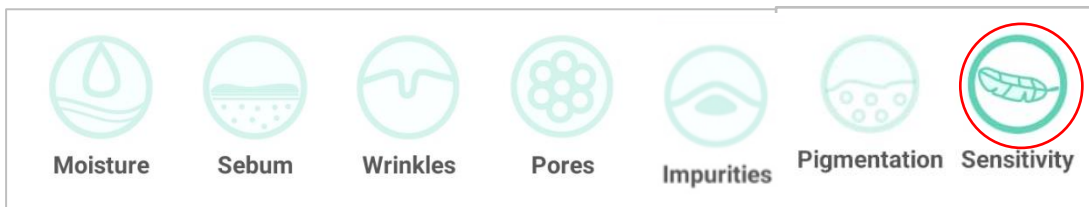
2. Press the **NEXT** button on the screen to proceed to next measurement.



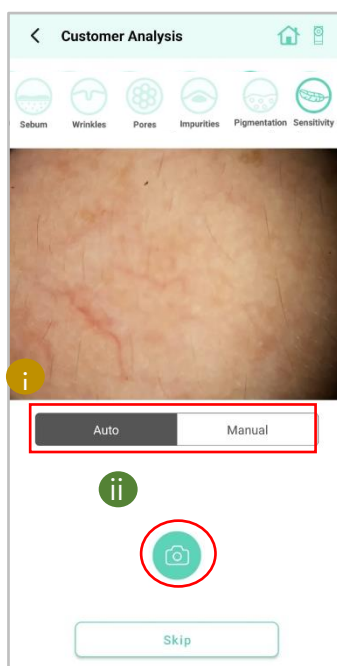
ANALYSIS FLOW

ANALYZING SENSITIVITY

1. Sensitivity icon is automatically selected on the app.



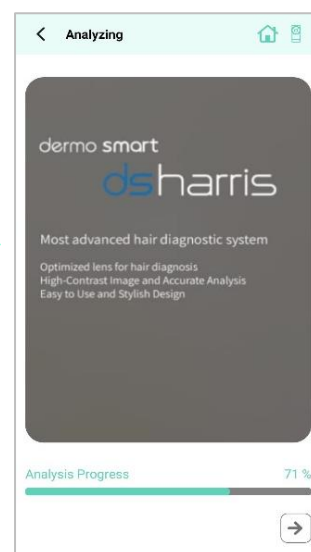
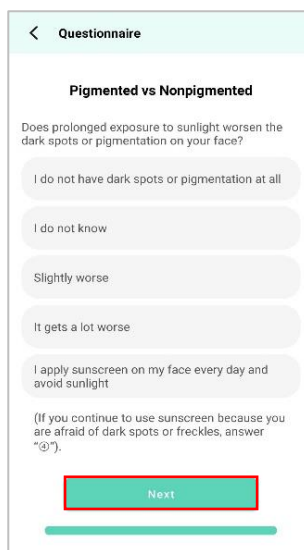
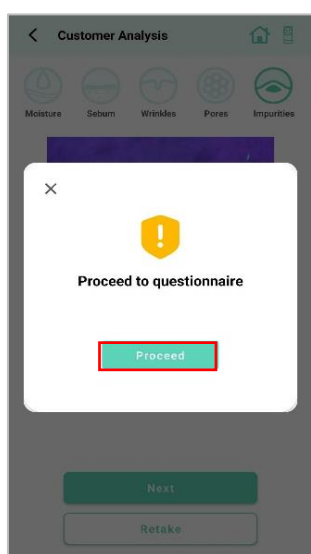
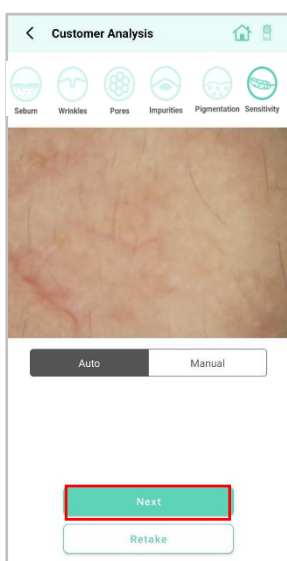
2. Place the device's lens on the area to be captured and press the camera button



i Change focus mode of camera

ii Take Image/Capture button

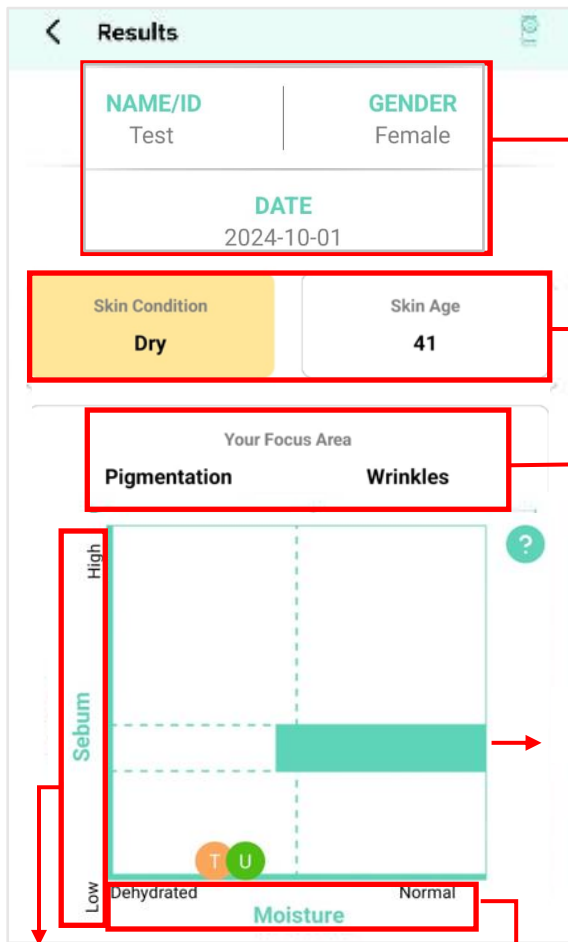
3. Press the **NEXT** button on the screen to proceed and complete the QUESTIONNAIRE



RESULTS

OVERALL ANALYSIS RESULTS

- RESULTS



Customer & analysis time information

Skin Condition result: There are six possible outputs, which is **Very Dry, Dry, Normal, Combination, Oily, Very Oily** & Skin Age

Two Focus area to take care of

GREEN bar, represent normal skin conditions or balance

T T-ZONE (Forehead Area)

U U-ZONE (Cheek Area)

This vertical line represents the sebum level of the skin. The upper end of the line signifies a **HIGH** sebum level, while the lower end, indicates a **LOW** sebum level.

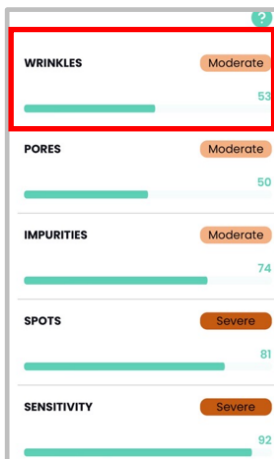
The horizontal line corresponds to the skin's moisture level. The point closer to the left end indicates **Dehydration**, while the right end point, indicates a **Normal** Moisture

RESULTS



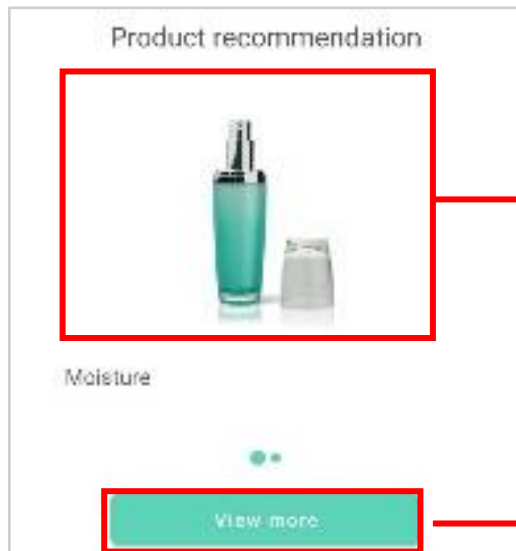
DOT INDICATOR

When the dot indicator for a specific measurement is positioned closer to the center of the graph, it signifies a favorable skin condition. This suggests that the skin measurement is well within a healthy range. If it is positioned further away from the center, it indicates that more attention to care is required.



The measurement will be represented in Bar graph form with the grading along with the score (Range 0-99)

- PRODUCT RECOMMENDATION



This section shows the available **products for recommendation**

This button can **be linked to a website or webshop** where customer can see the product recommended on app

RESULTS

- CAPTURED IMAGES and ANALYZED IMAGES PREVIEW

Swipe image to the left to view the **ANALYZED IMAGE** the skin

Click on the question mark icon to view the details result interpretation of skin concern and grading scale.

Guidelines

Measurement Guide

1. What are spots?

Spots are small, flat dark areas on the skin. They usually range in color from light brown to black and are mainly located in areas most exposed to the sun, particularly the face and neck. Spots generally start to appear from the age of 40 and become common in adults in their fifties, but younger people can also get spots if they spend time under the sun. Although spots are harmless, most people prefers to have them lightened or removed due to the unsightliness. Frequent causes of spots include:

- Sun exposure (leading cause)
- Inflammation, such as acne, eczema, allergic reactions
- Melasma, happening mainly during pregnancy

Table 1. Representative images of spots classification

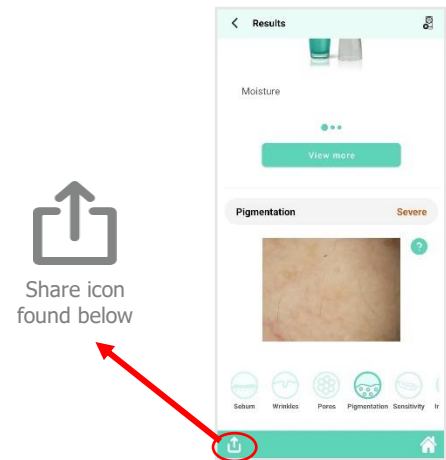
GRADE	SCALE	DESCRIPTION
Clear	0 - 5	Clear skin with sparse spots
Almost Clear	6 - 15	Skin with mild sparse spots
Mild	16 - 48	Moderate amount of spots
Moderate	49 - 80	Severe skin pigmentation of skin covered
Severe	81 - 99	Very severe skin spread spots

Powered by CHOWIS

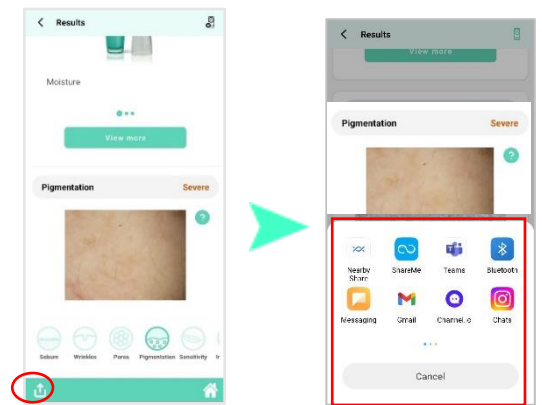
RESULTS

SHARE RESULTS

After performing analysis, you can send results to your customer via the share icon button. Sharing results can have two scenarios. Check two scenarios below:

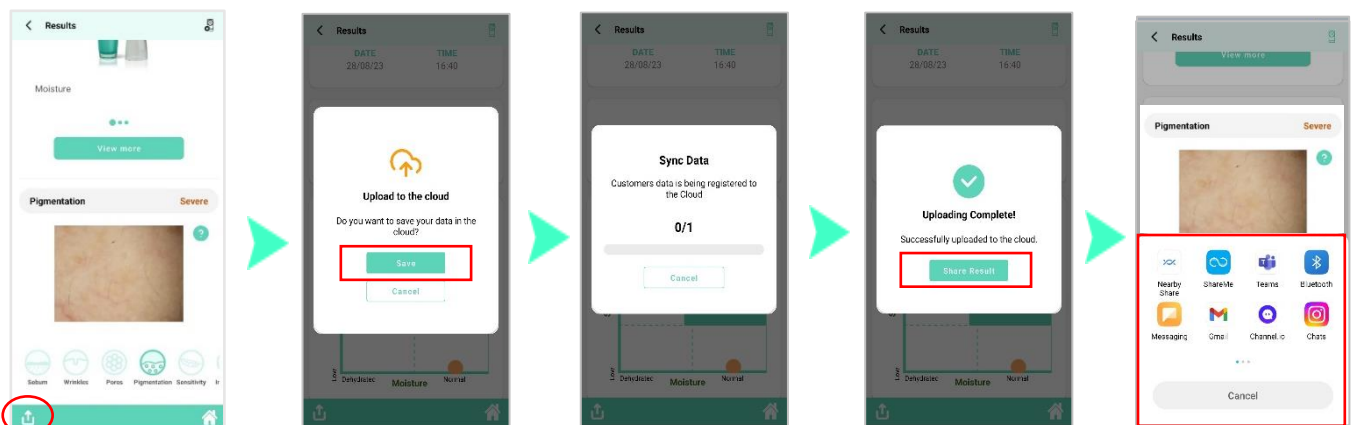


1. For **Online Analysis** - press the Share Icon on the lower left side of the screen and a pop-up will show options where results can be sent: Share via E-mail or Social media platform.



2. For **Offline Analysis** - press the Share Icon on the lower left side of the screen and a pop-up which will prompt the user to upload the data in the cloud. Press **Save** button to sync data.

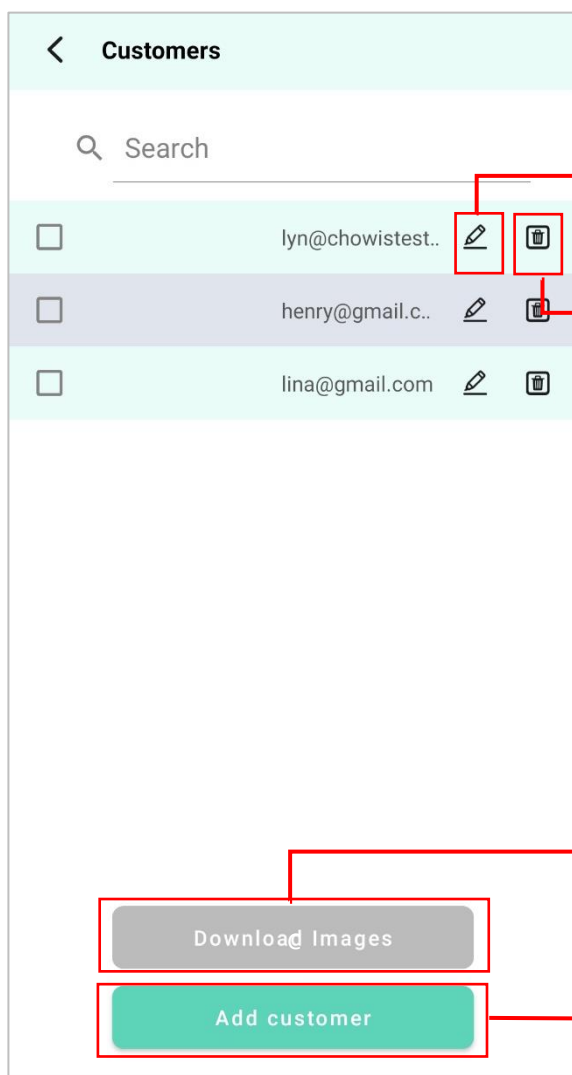
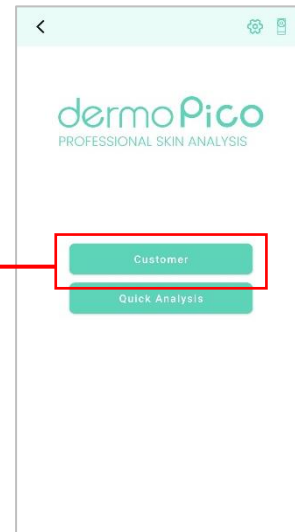
Once Data Upload is complete, press on **SHARE RESULTS** button to proceed with results sharing via Email or Social Media Platform



VIEW RECORD

MANAGE CUSTOMER

Tap "**CUSTOMER**" from the main screen to view the Customer Page



To review or **EDIT** the customer's registered information, tap on this icon to proceed

To **DELETE** a customer's profile, tap on this icon to complete deletion

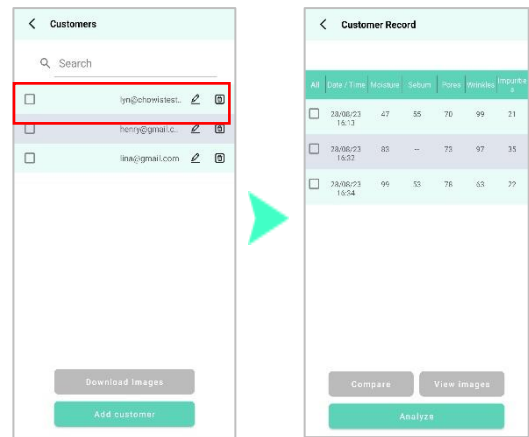
This button leads to **downloading of captured skin images**

This button allows to **add or register new customer profile**

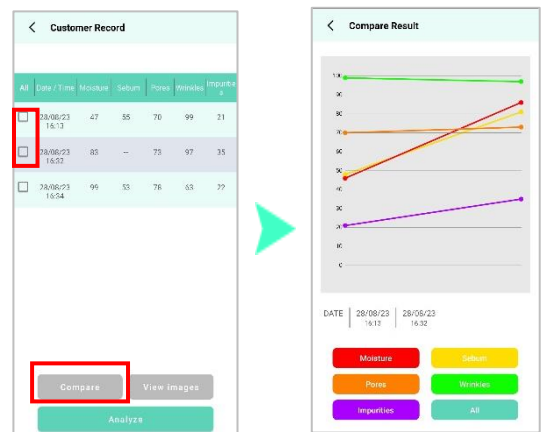
VIEW RECORD

COMPARE ANALYSIS RECORDS

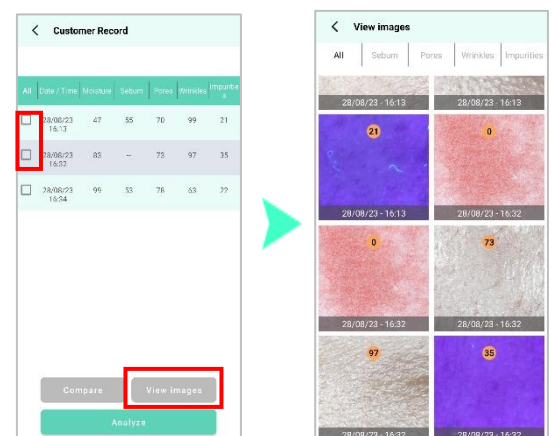
1. From the **CUSTOMER PAGE**, tap on a customer profile to view result's history or Customer Record Page



2. To compare results, make sure that specific analysis results from history are chosen. Once done, press on **COMPARE** button.



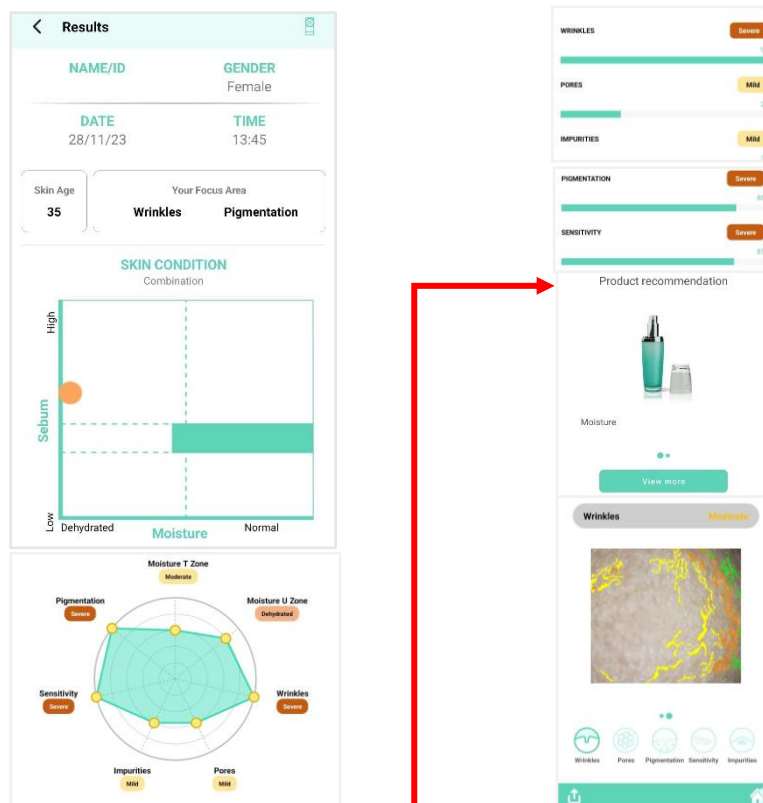
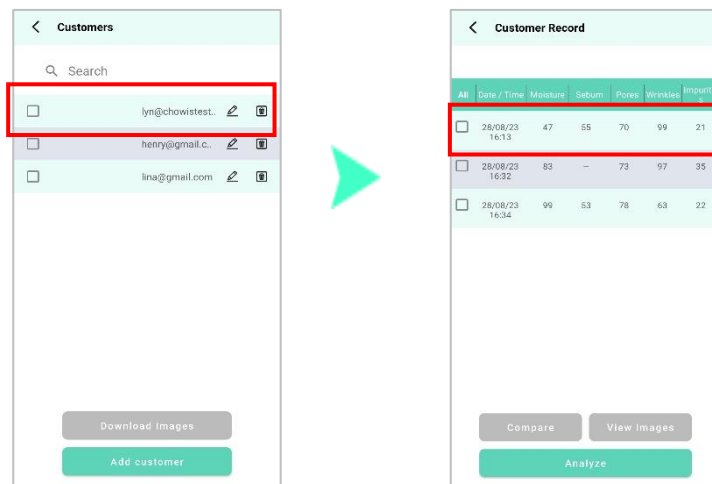
3. To view skin images, make sure that specific analysis results from history are chosen. Once done, press on **VIEW IMAGES** button.



VIEW RECORD

PREVIOUS ANALYSIS RESULTS

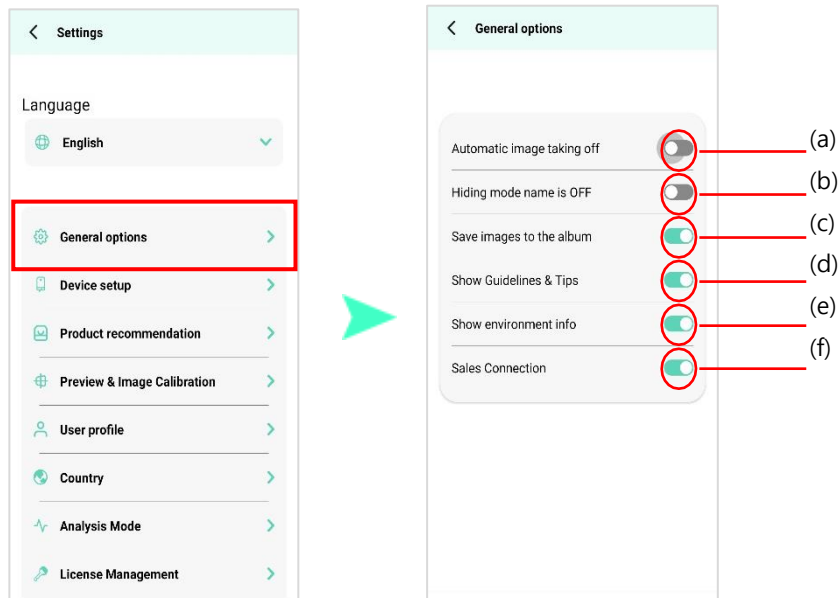
1. To **review the overall results page** of a specific analysis that as previously completed, tap on a customer profile and then tap on its analysis result that you wish to review



SETTINGS PAGE

GENERAL OPTIONS

1. On Main page, tap Settings and tap **GENERAL OPTIONS**.
2. Options may be enabled/disabled by tapping switch at the right side.

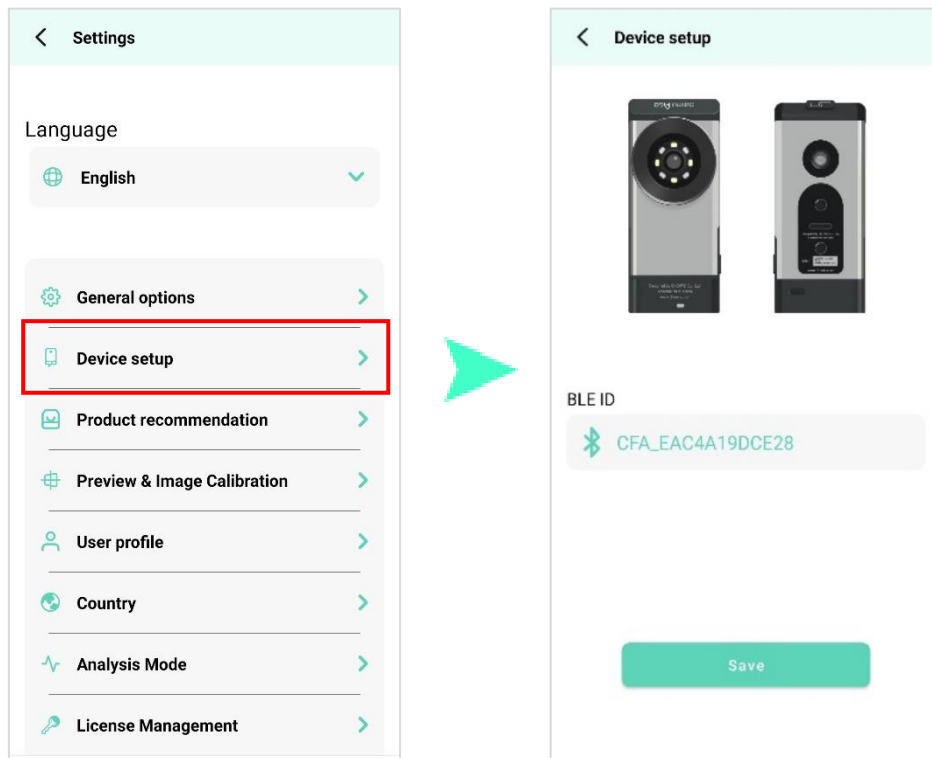


- a. Automatic Image taking (if switched to ON) – image capture proceeds automatically from one measurement to the next with a 3 seconds interval (starts with Wrinkles measurement to Pores and then Impurities)
- b. Hiding mode name (if switched to ON) – this will hide the names under the measurement icon on analysis screen.
- c. Save images to the album – all of the captured images are saved automatically to your phone's album
- d. Show Guideline & Tips - this enables/disables guidelines during diagnosis.
- e. Show Environment info - this enables/disables the info on the dashboard.
- f. Sales Connection – displays notification asking if diagnosis leads to product sales

SETTINGS PAGE

DEVICE SET UP

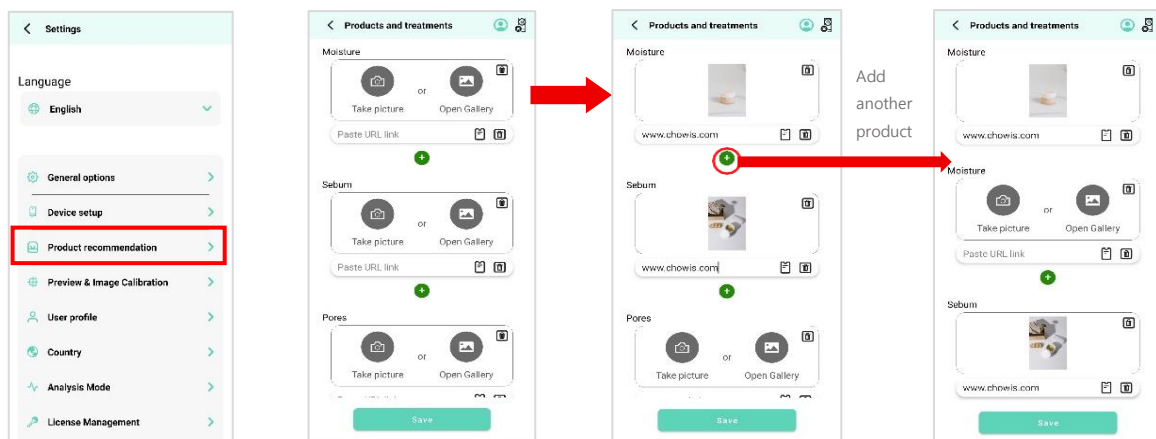
1. On Main page, tap Settings and tap **Device Setup**. The page will show the BLE ID (Bluetooth ID) of the device registered on app



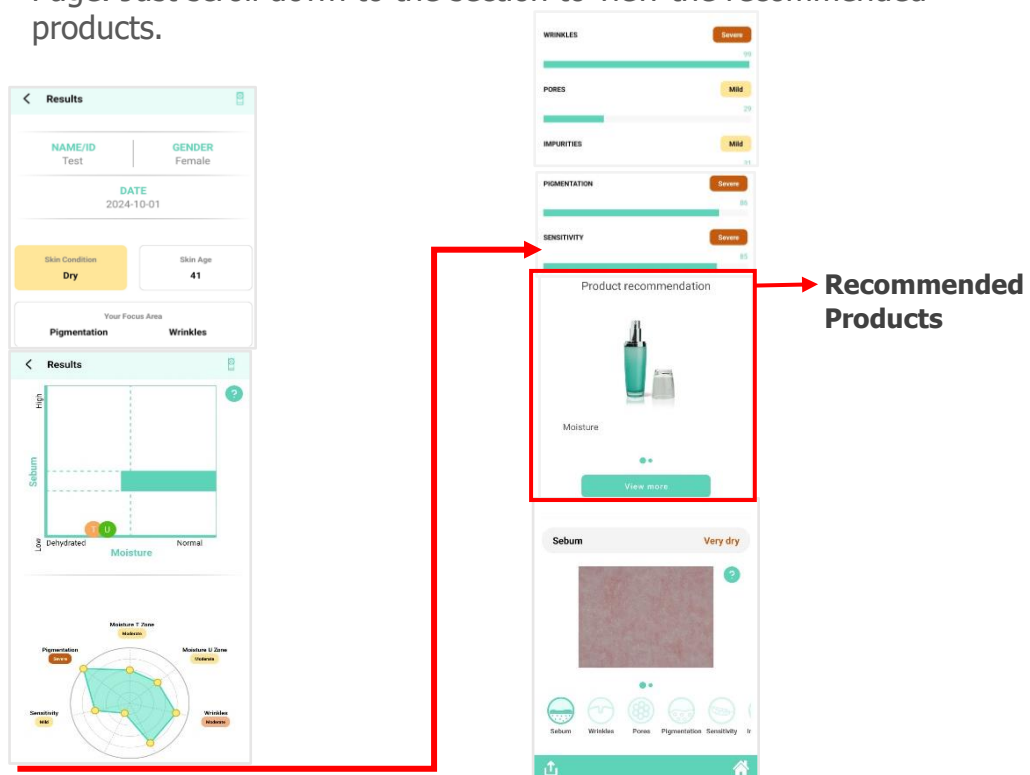
SETTINGS PAGE

PRODUCT RECOMMENDATION

1. On Main page, tap Settings and go tap **Product Recommendation**.
2. Page will show input for every measurement, add image and URL for the specific product.



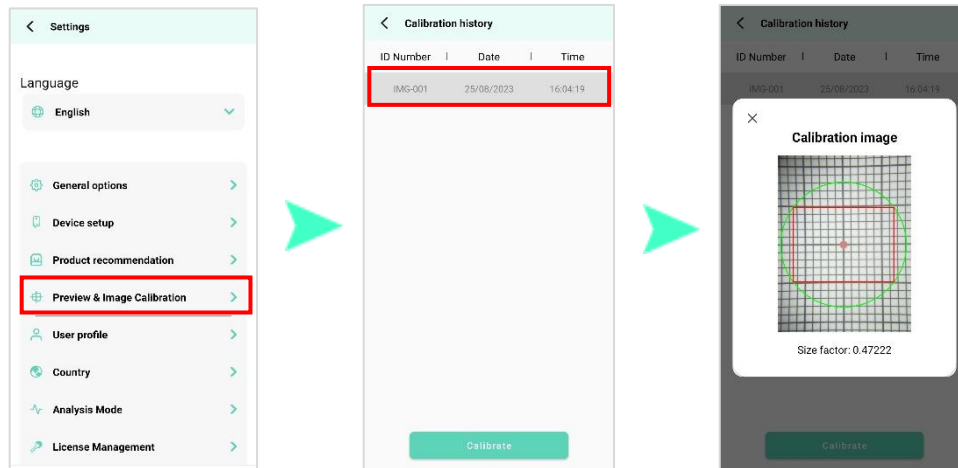
3. Uploaded product images will be available on the Overall Result's Page. Just scroll down to the section to view the recommended products.



SETTINGS PAGE

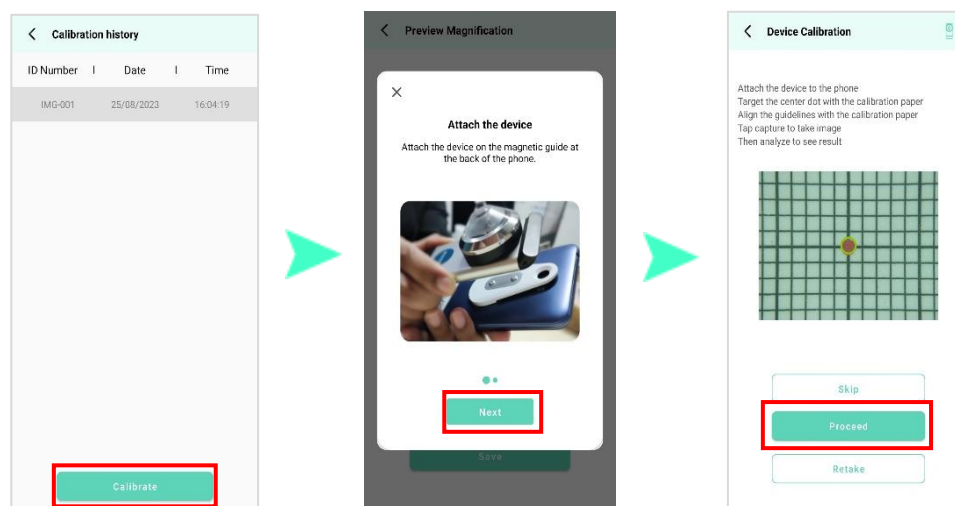
CALIBRATION HISTORY

1. On Main page, tap Settings and tap Calibration History.
2. Choose and tap the ID number you want to view.



- HOW TO CALIBRATE

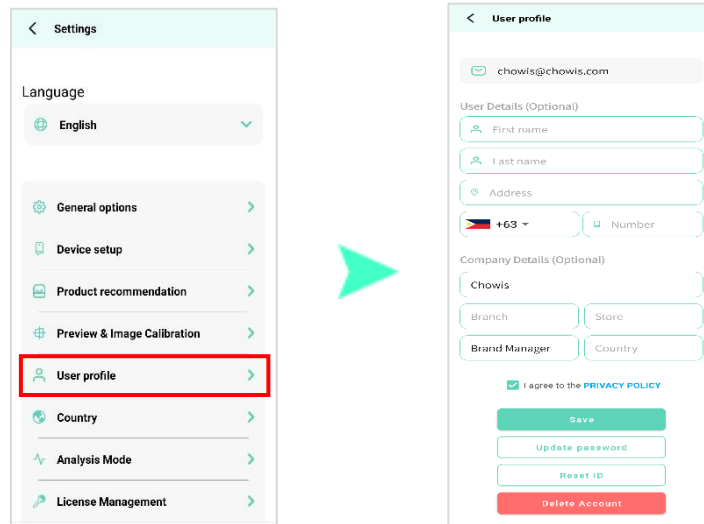
On Main page, tap Settings and tap Calibration History. Press the Calibrate button below the screen. Then, attach the device to proceed. Guidelines will be displayed.



SETTINGS PAGE

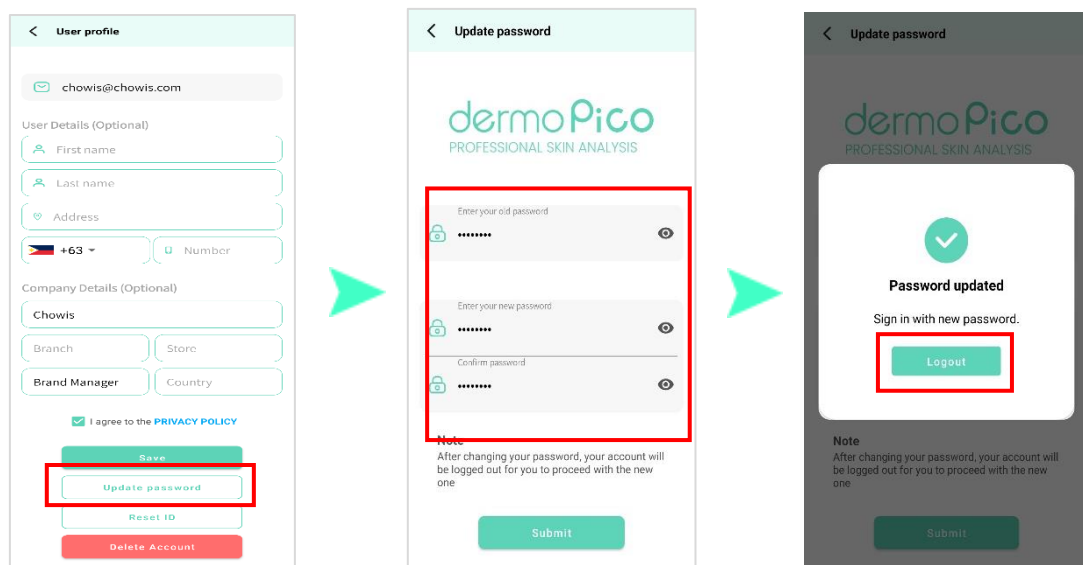
USER PROFILE

On Main page, tap Settings and tap **USER PROFILE**.



- UPDATE PASSWORD

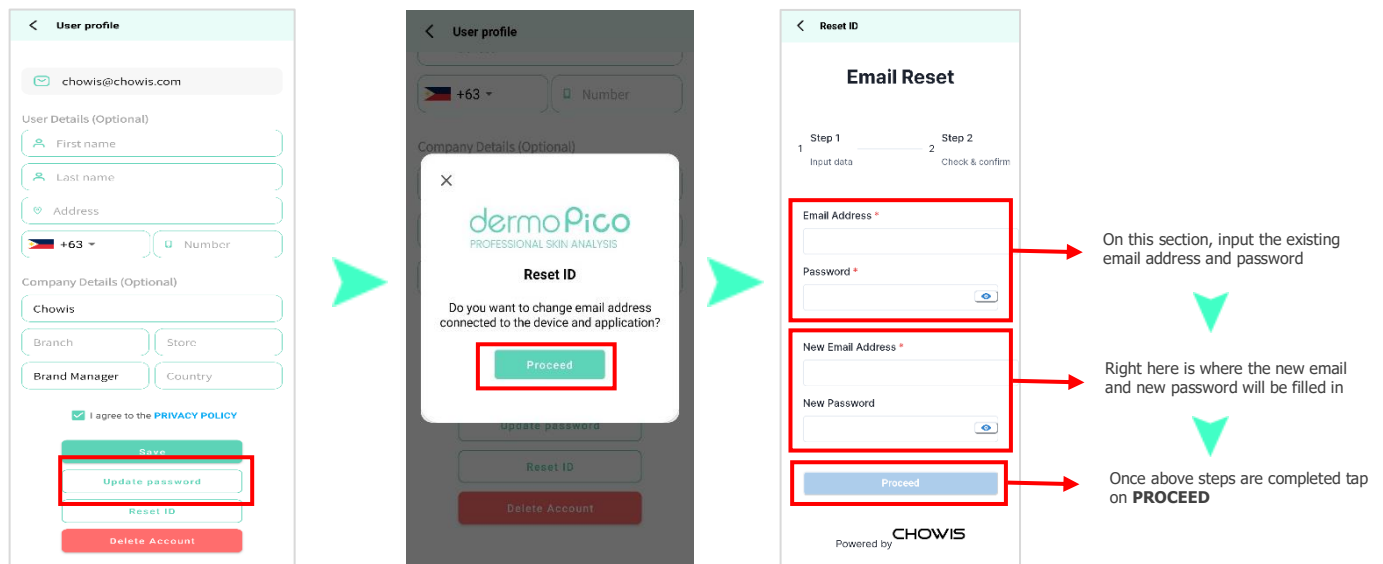
To change password, user must first input the old password, before changing to new one. Once done, press on **SUBMIT**.



SETTINGS PAGE

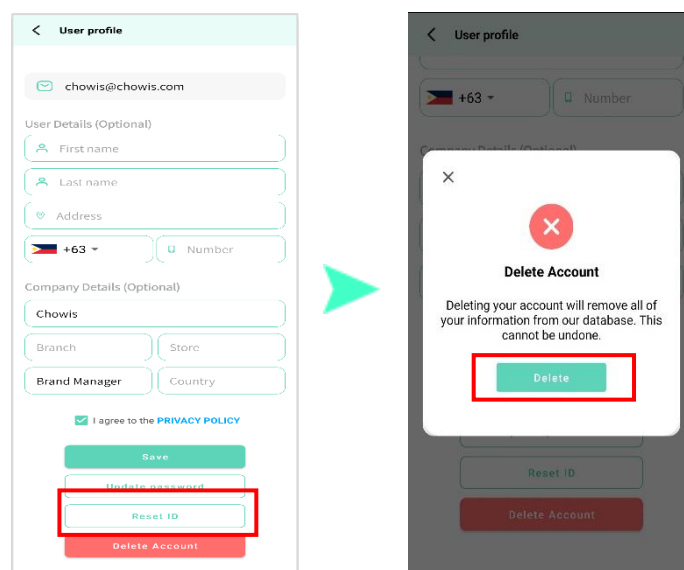
- RESET ID

This option allows user to change the email address registered on the device



- DELETE ACCOUNT

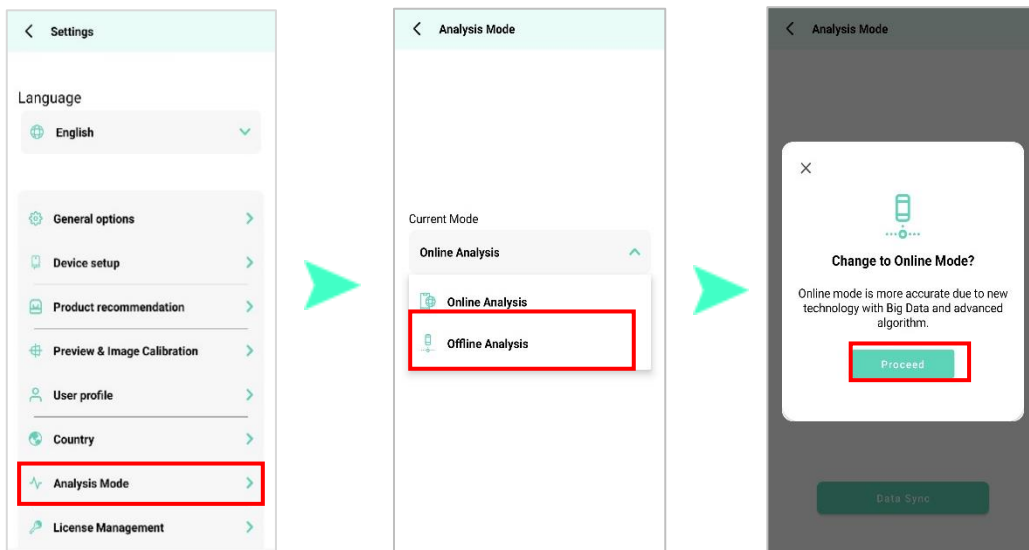
This feature allows user to delete the existing DermoPico Skin user account from the system



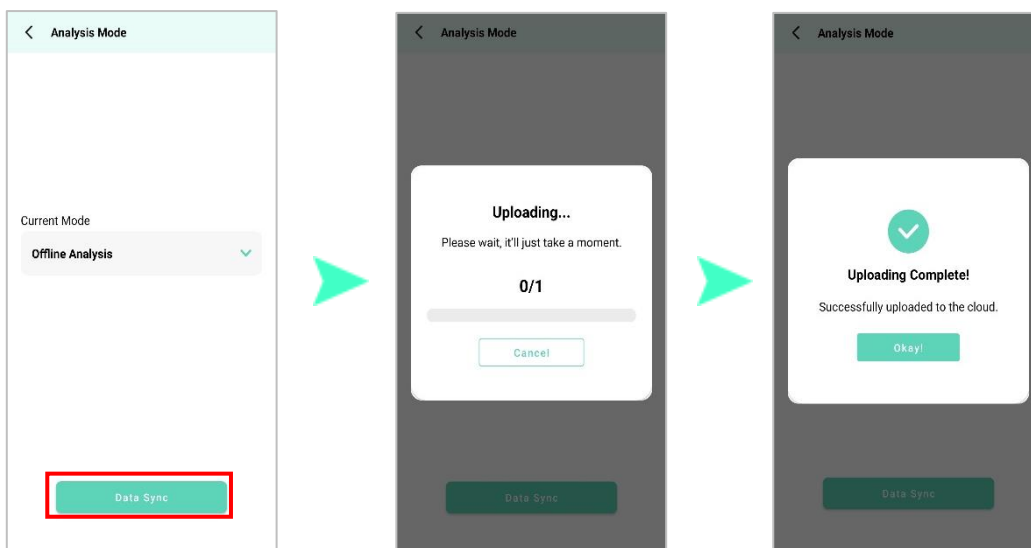
SETTINGS PAGE

ANALYSIS MODE

1. On Main page, tap Settings and tap **ANALYSIS MODE**.
2. App is automatically set to **ONLINE MODE** by default. To change to **OFFLINE mode**, press the dropdown button and choose 'Offline Analysis' from the option



3. If analysis is done Offline, data will be stored locally and it can be manually uploaded to cloud by pressing on the **Data Sync** button.

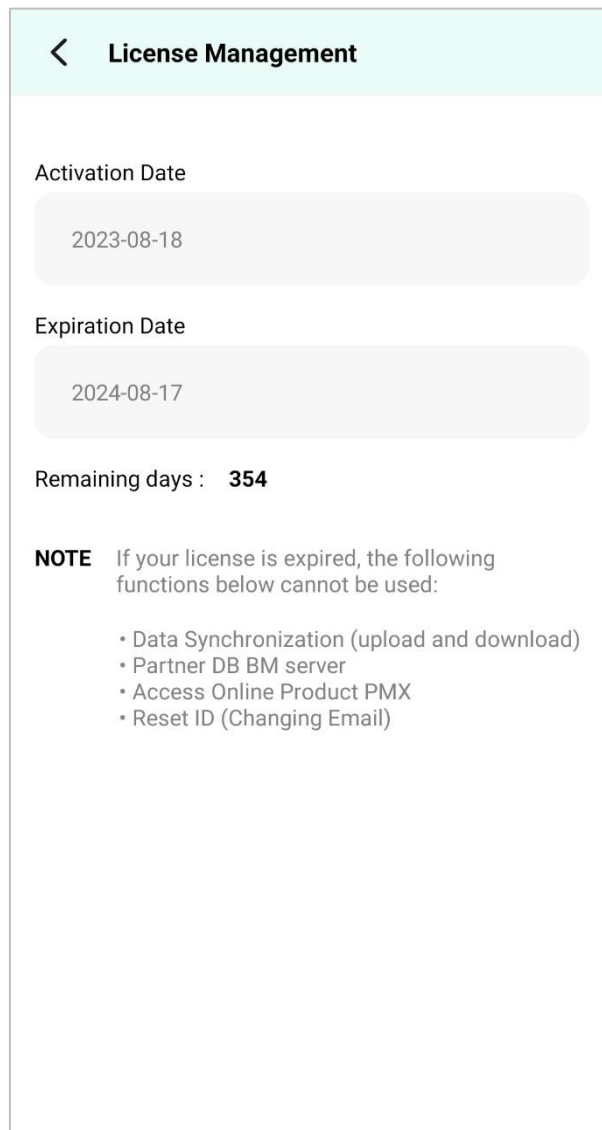


Please utilize Data Sync function to ensure that data are well stored to the cloud and no data will be lost.

SETTINGS PAGE

LICENSE MANAGEMENT

1. On Main page, tap Settings and tap **LICENSE MANAGEMENT**.
2. This page provides information about the **ACTIVATION and EXPIRATION DATE** of the license, as well as the exact **TOTAL NUMBER** of remaining days of active license
3. Additional note regarding the app limitations in the event of license expiration



DIAGNOSIS SYSTEM IN USE

USER AND CUSTOMER REGISTRATION

Chowis' diagnostic system is linked to a unique user ID (email) and only the corresponding ID can be used. If you wish to change your ID, please, do so within the program under settings page.

When create a new account, an email will be sent from CHOWIS-SERVICE. Open email and click on the "VERIFY" button. If you have difficulty in getting email, please check your junk/spam mailbox. Without email confirmation, login is not possible.

Each user has the authority to manage their own customer list. However, this accessibility is possible only when the customer list is being synchronized and uploaded to the server. As a precautionary measure, it is advisable to perform a daily backup to ensure data security.

When creating a new account, logging in, and inputting optic number, ensure that your tablet or mobile phone is connected to the internet and not to the diagnostic device.

ACCURACY OF ANALYSIS AND COMPARISON OF BEFORE AND AFTER

Chowis' analysis system analyzes local areas. Therefore, when comparing before and after diagnosis results, accurate results can only be compared when the same position is taken.

CHARGING RELATED SCENARIO

Charge the device while it is off for fast charging. When you connect the charging cable to a device that is on, the indicator light will be red. However, if the device is off, the red indicator will not light up even during the charging process.

We recommend using the provided Chowis cable for charging whenever possible. If you use a different cable, it may not perform proper charging.

DIAGNOSIS SYSTEM DOES NOT TURN ON.

If the handset is out of battery, the handset does not turn on. Please charge the handset for 2 hours. For charging method, please refer to the Charge the handset on simple manual.

THE HANDSET FEELS HOT.

As the optical unit/lens part emits a lot of LED light and long periods of continuous use can cause the handset to heat up. If the heat is severe, immediately turn the handset off and stop using it until it has cooled down. If the handset is still hot even after a certain period of time has passed, please inquire at a customer support center. Also, a reason for over-heating could be when the handset is left with power switched on during charging. Always remember to turn the handset power off before charging.

SENT E-MAIL WAS NOT RECEIVED.

In order to send email, please check if you have stable internet connection and data synchronization was done, otherwise, it will not send email to customers. In order to do synchronize data, please refer to the Data Synchronization settings section.

CONNECTION BETWEEN ANALYZER AND TABLET

WHAT IS AN SSID?

SSID is a unified classification ID for wireless handsets. Because this handset is a wireless system and is connected to a Wi-Fi, for each handset there is a unique SSID. Please verify the SSID on the label attached at the back of the handset.

HOW DO YOU VERIFY THE CONNECTION BETWEEN THE HANDSET AND THE TABLET?

At the Wi-Fi settings screen of the tablet, if the SSID status of the handset is "Connected" and after the start of the program, if the Wi-Fi icon on the top right section of the screen is green, then it is connected normally.

THERE IS NO CHANGE IN CONNECTION STATUS BETWEEN THE HANDSET AND TABLET AFTER "SAVED".

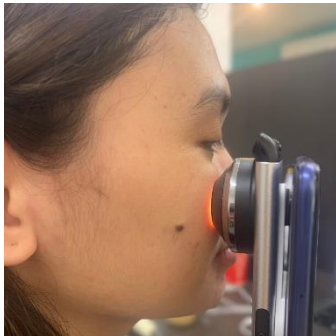
Turn on the switch again and try to connect again manually via Wi-Fi setting of tablet. When connecting to analyzer, use the password "**1234567890**". Even if connection status saying "Connection without internet connection" appears, the actual device connection will not be affected. If you still fail to connect then, press the **CAPTURE** button for 10 seconds until LED starts to blink with red color, so analyzer will start to reset. Please wait until fully reboot and try to connect again.

THERE IS A NETWORK CONNECTION ERROR INDICATION ON THE PROGRAM SCREEN.

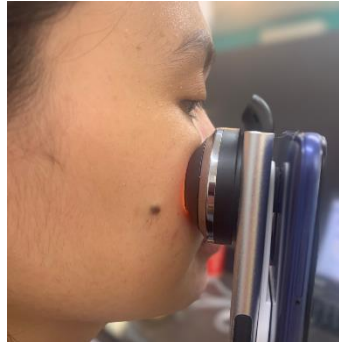
If there are many Wi-Fi signals or there are many wireless routers at the handset usage environment, then the connection is delayed and may not be able to connect. Try using it by changing the Wi-Fi channel. For changing the channel method, please refer to the Change Wi-Fi Channel.

APPENDIX: PROPER IMAGE CAPTURING

1. Place the camera flatly and gently onto the skin.



Proper Device Placement



Improper Device Placement

The camera should not be too closely pressed against the skin.



The device should be in direct contact with the skin to optimize the lens magnification.

2. Do not remove the device from the skin until the captured image or the score shows on the app screen
3. Give a second or two to make sure that images is well focused before pressing the device's capture button. This would ensure that the image captured is clear and not blurry

CORRECT CAPTURED IMAGES



SEBUM



WRINKLES



PORES



IMPURITIES

INCORRECT CAPTURED IMAGES

SEBUM



Captured image should only show the pink paper

WRINKLES



Blurry wrinkles



Eyelashes are showing



Vertical eye wrinkles view. Must be horizontal

PORES

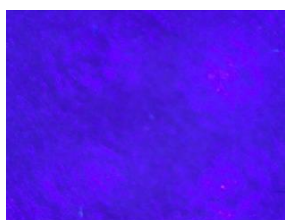


Camera is too pressed against the skin



Blurry



IMPURITIES



Camera is too pressed against the skin

CONTACT US

SPECIFICATION

 Power supply	Input: 5V, 2.0A max / Output: 5V, 0.3A, 1.4W
 Magnification	X10
 Battery	250mAh Li-Polymer
 Product size	46mm x 106mm x 31mm (W x H x D)
 Product weight	75g - Device Only
 Analysis result	Index per measurement (0-99)
 Measurement	       MOISTURE SEBUM PORES WRINKLES PIGMENTATION SENSITIVITY IMPURITIES

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