March 20, 2025

Joylux, Inc
% Prithul Bom
Most Responsible Person
Regulatory Technology Services, LLC
1000 Westgate Drive,
Suite 510k
Saint Paul, Minnesota 55114

Re: K242958
Trade/Device Name: Joylux Intimacy Gel (PG3100)
Regulation Number: 21 CFR 884.5300
Regulation Name: Condom
Regulatory Class: II
Product Code: NUC
Received: February 20, 2025

Dear Prithul Bom:

We have reviewed your section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (the Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. Although this letter refers to your product as a device, please be aware that some cleared products may instead be combination products. The 510(k) Premarket Notification Database available at https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm identifies combination product submissions. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Additional information about changes that may require a new premarket notification are provided in the FDA guidance documents entitled "Deciding When to Submit a 510(k) for a Change to an Existing Device"

(https://www.fda.gov/media/99812/download) and "Deciding When to Submit a 510(k) for a Software Change to an Existing Device" (https://www.fda.gov/media/99785/download).

Your device is also subject to, among other requirements, the Quality System (QS) regulation (21 CFR Part 820), which includes, but is not limited to, 21 CFR 820.30, Design controls; 21 CFR 820.90, Nonconforming product; and 21 CFR 820.100, Corrective and preventive action. Please note that regardless of whether a change requires premarket review, the QS regulation requires device manufacturers to review and approve changes to device design and production (21 CFR 820.30 and 21 CFR 820.70) and document changes and approvals in the device master record (21 CFR 820.181).

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR Part 803) for devices or postmarketing safety reporting (21 CFR Part 4, Subpart B) for combination products (see https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820) for devices or current good manufacturing practices (21 CFR Part 4, Subpart A) for combination products; and, if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR Parts 1000-1050.

All medical devices, including Class I and unclassified devices and combination product device constituent parts are required to be in compliance with the final Unique Device Identification System rule ("UDI Rule"). The UDI Rule requires, among other things, that a device bear a unique device identifier (UDI) on its label and package (21 CFR 801.20(a)) unless an exception or alternative applies (21 CFR 801.20(b)) and that the dates on the device label be formatted in accordance with 21 CFR 801.18. The UDI Rule (21 CFR 830.300(a) and 830.320(b)) also requires that certain information be submitted to the Global Unique Device Identification Database (GUDID) (21 CFR Part 830 Subpart E). For additional information on these requirements, please see the UDI System webpage at https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/unique-device-identification-system-udi-system.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to https://www.fda.gov/medical-devices/medical-device-safety/medical-device-reporting-mdr-how-report-medical-device-problems.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance) and CDRH Learn (https://www.fda.gov/training-and-continuing-education/cdrh-learn). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See

the DICE website (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

Michael T. Bailey -S

For
Monica D. Garcia, Ph.D.
Assistant Director
DHT3B: Division of Reproductive,
Gynecology, and Urology Devices
OHT3: Office of Gastrorenal, ObGyn,
General Hospital, and Urology Devices
Office of Product Evaluation and Quality
Center for Devices and Radiological Health

Enclosure

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Food and Drug Administration

Indications for Use

Form Approved: OMB No. 0910-0120
Expiration Date: 06/30/2023
See PRA Statement below.

510(k) Number *(if known)*
K242958

Device Name
Joylux Intimacy Gel (PG3100)

Indications for Use *(Describe)*

The Joylux Intimacy Gel is a water-based personal lubricant for penile and/or vaginal application, intended to lubricate and moisturize, enhance the ease and comfort of intimate sexual activity and supplement the body's natural lubrication. This product is compatible with natural rubber latex and polyisoprene condoms. This product is not compatible with polyurethane condoms

Type of Use *(Select one or both, as applicable)*

☐ Prescription Use (Part 21 CFR 801 Subpart D) ☒ Over-The-Counter Use (21 CFR 801 Subpart C)

CONTINUE ON A SEPARATE PAGE IF NEEDED.

510(k) Summary – K242948
Joylux Intimacy Gel (PG3100)

I. General Information on Submitter

Applicant: Joylux, Inc.
Address: 120 Lakeside Avenue, Suite 300, Seattle, WA 98122 USA
Telephone: 206-219-6444
Contact Person: Colette Courtion
Contact Title: CEO info@joylux.com
Email:

II. Correspondent Information

Contact Person: Sarah Lacey Robbins
Quality Manager / Quality & Regulatory Consultant, Rook Quality Systems,
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Date Prepared: March 19, 2025

III. Device Information

Trade Name: Joylux Intimacy Gel (PG3100)
Common Name: Personal Lubricant
Regulation Name: Condom
Regulation Number 21 CFR 884.5300
Device Class: II
Product Code: NUC (Lubricant, Personal)

IV. Predicate Device

Predicate Device	510(k) Number
Bloomi Smooth Water Based Lubricant	K221328

The predicate device has not been subject to a design-related recall.

V. Description of Device

Joylux Intimacy Gel is a non-sterile, water-based, clear gel personal lubricant. It contains Water, Hydroxyethylcellulose, Polyquaterium-5, Propylene Glycol, PEG-45, Aloe Vera 200x Powder, Sodium Hyaluronate, Geogard Ultra (gluconolactone & sodium benzoate). The lubricant is compatible with natural rubber latex and polyisoprene condoms. The lubricant is not compatible with polyurethane condoms.

The lubricant is packaged in a 4oz / 120mL flip-top 5-layer polyethylene tube made up of 70% LDPE and 30% HDPE.

The specifications for Joylux Intimacy Gel are described in **Table 1**.

Table 1. Device Specifications

Parameter	Test Method	Specification
Appearance/Color	Visual	Clear, colorless
Odor	Olfactory	Odorless
pH	USP<791>	4.0-5.0
Viscosity	USP<912>	900-7800
Osmolality	USP<785>	250-420 mOsm/kg (1:10 dilution factor)
Antimicrobial Effectiveness	USP <51>	Meets USP <51> acceptance criteria for Category 2 products. Bacteria: not less than 2.0 log reduction from the initial count at 14 days, and no increase from 14-days count at 28 days. Yeasts and Molds: no increase from the initial calculated count at 14 and 28 days.
Total Aerobic Microbial Count (TAMC)	USP<61>	Less than 10 cfu/mL
Total Yeast and Mold Count (TYMC)	USP<61>	Less than 10 cfu/mL
Absence of Pathogenic Organisms (*Candida albicans, Pseudomonas aeruginosa, Staphylococcus aureus)*	USP<62>	Absent

VI. Indications for Use

The Joylux Intimacy Gel is a water-based personal lubricant for penile and/or vaginal application, intended to lubricate and moisturize, enhance the ease and

comfort of intimate sexual activity and supplement the body's natural lubrication. This product is compatible with natural rubber latex and polyisoprene condoms. This product is not compatible with polyurethane condoms.

VII. Comparison of Intended Use and Technological Characteristics with the Predicate Device

The following table compares the intended use and technological characteristics of the subject and predicate device:

Characteristic / Feature	Joylux Intimacy Gel (subject device)	Bloomi Smooth Water Based Lubricant (predicate device) – K221328	Comparison
Indications for use	The Joylux Intimacy Gel is a water-based personal lubricant for penile and/or vaginal application, intended to lubricate and moisturize, enhance the ease and comfort of intimate sexual activity and supplement the body's natural lubrication. This product is compatible with natural rubber latex and polyisoprene condoms. This product is not compatible with polyurethane condoms.	The Bloomi Smooth Water Based Personal Lubricant is a water-based personal lubricant for penile and/or vaginal application, intended to lubricate and moisturize, enhance the ease and comfort of intimate sexual activity and supplement the body's natural lubrication. This product is compatible with natural rubber latex and polyisoprene condoms. This product is not compatible with polyurethane condoms.	The subject and predicate devices have the same intended use.
Water-Based Lubricant	Yes	Yes	Same
Over the Counter	Yes	Yes	Same
Not a contraceptive or Spermicide	Yes	Yes	Same
Non-sterile	Yes	Yes	Same
Ingredients	DI Water, Hydroxyethylcellulose, Polyquaterium-5, Propylene Glycol, PEG-45, Aloe Vera 200x Powder, Sodium Hyaluronate, Geogard Ultra (gluconolactone & sodium benzoate)	Water, Microcare SB, Microcare SB, Hydroxyethylcellulose, Cyamopsis Tetragonoloba (Guar) Gum, Citric Acid, Sodium Hyaluronate, Organic Helianthus (Sunflower) Seed Extract, Organic Camellia Sinensis Leaf (Green Tea) Extract.	Different

Microbial Limits	TYMC <10 cfu/mL TAMC <10 cfu/mL Absence of pathogenic organisms testing Antimicrobial effectiveness testing	TYMC <10 cfu/mL TAMC <100 cfu/mL Absence of pathogenic organisms testing Antimicrobial effectiveness testing	Similar
Viscosity	900-7800 cps	1800-4500 cps	Different
Osmolality	250-420 mOsm/kg (1:10 dilution factor)	110-140 mOsm/kg	Different
pH	4.0-5.0	4.0-5.0	Same
Condom Compatibility	Compatible with natural rubber latex and polyisoprene condoms.	Compatible with natural rubber latex and polyisoprene condoms	Same

The subject and predicate devices have similar indications for use and have the same intended use – to provide lubrication during intimate sexual activity. The subject and predicate devices have different technological characteristics, including different formulations and device specifications. The different technological characteristics do not raise different questions of safety and effectiveness.

VIII. Summary of Non-Clinical Performance Testing

Biocompatibility

Biocompatibility testing on the subject lubricant was performed in accordance with the 2023 FDA guidance document *Use of International Standard ISO 10993-1, "Biological Evaluation of Medical Devices – Part 1: Evaluation and testing within a risk management process"* and ISO 10993-1:2009 as follows:

- Cytotoxicity (ISO 10993-5:2009/(R)2014)
- Guinea Pig Maximization Sensitization Test (ISO 10993-10: 2021)
- Vaginal Irritation (ISO 10993-23: 2021)
- Acute Systemic Toxicity (ISO 10993-11:2017)

The results of the testing conducted support the biocompatibility of the subject device.

Shelf Life

The subject device is a non-sterile personal lubricant packaged in polyethylene tubes

with a 24-month shelf-life in accordance with the results of real time and an accelerated aging study per ASTM F1980-21, *Standard Guide for Accelerated Aging of Sterile Barrier Systems for Medical Devices*. The device specifications listed in **Table 1** were tested across the device shelf-life and the subject device met the specifications at all time points.

Condom Compatibility

The subject device was tested for compatibility with natural rubber latex, polyisoprene, and polyurethane condoms using ASTM D7661-18 Standard Test Method for Determining Compatibility of Personal Lubricants with Natural Rubber Latex Condoms. The results show that Joylux Intimacy Gel is compatible with natural rubber latex and polyisoprene condoms. Joylux Intimacy Gel is not compatible with polyurethane condoms.

IX. Conclusion

The results of the testing described above demonstrate that Joylux Intimacy Gel is as safe and effective as the predicate device and supports a determination of substantial equivalence.