

# Milkshake IPA

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **47**
- SRM **4.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **81 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.7 liter(s)**
- Total mash volume **24.1 liter(s)**

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt       | 4.1 kg (76.6%) | 80 %  | 5   |
| Grain | Weyermann pszeniczny jasny | 0.45 kg (8.4%) | 80 %  | 6   |
| Grain | Strzegom Karmel 30         | 0.3 kg (5.6%)  | 75 %  | 30  |
| Grain | Płatki owsiane             | 0.5 kg (9.3%)  | 85 %  | 3   |

## Hops

| Use for             | Name        | Amount | Time     | Alpha acid |
|---------------------|-------------|--------|----------|------------|
| Boil                | Citra       | 20 g   | 50 min   | 12 %       |
| Boil                | Mosaic      | 21 g   | 30 min   | 10 %       |
| Aroma (end of boil) | Galaxy      | 10 g   | 5 min    | 15 %       |
| Aroma (end of boil) | Huell Melon | 10 g   | 5 min    | 7.5 %      |
| Aroma (end of boil) | Galaxy      | 15 g   | 1 min    | 15 %       |
| Aroma (end of boil) | Huell Melon | 15 g   | 1 min    | 7.5 %      |
| Aroma (end of boil) | Citra       | 15 g   | 1 min    | 12 %       |
| Dry Hop             | Mosaic      | 20 g   | 4 day(s) | 10 %       |
| Dry Hop             | Galaxy      | 20 g   | 4 day(s) | 15 %       |
| Dry Hop             | Huell Melon | 20 g   | 4 day(s) | 7.5 %      |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11.5 g | Safale     |

## Extras

| Type   | Name    | Amount | Use for | Time   |
|--------|---------|--------|---------|--------|
| Flavor | laktoza | 650 g  | Boil    | 15 min |

|        |                   |        |           |          |
|--------|-------------------|--------|-----------|----------|
| Spice  | Wanilia (3 laski) | 10 g   | Secondary | 7 day(s) |
| Flavor | Truskawki mrożone | 1350 g | Secondary | 7 day(s) |