

Milk ipa z truskawkami

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **43**
- SRM **4.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **1 %**
- Size with trub loss **25.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.5 liter(s)**

Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21.7 liter(s)**
- Total mash volume **27.9 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **21.7 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **14 liter(s)** of **76C** water or to achieve **29.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Strzegom Pale Ale | 3.4 kg (48.6%) | 79 % | 6 |
| Grain | Strzegom Pszeniczny | 1.5 kg (21.4%) | 81 % | 6 |
| Grain | Oats, Flaked | 0.8 kg (11.4%) | 80 % | 2 |
| Grain | Żytni | 0.5 kg (7.1%) | 85 % | 8 |
| Sugar | Milk Sugar (Lactose) | 0.8 kg (11.4%) | 76.1 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil | Chinook | 20 g | 60 min | 13 % |
| Boil | Chinook | 20 g | 30 min | 13 % |
| Aroma (end of boil) | Cascade | 20 g | 10 min | 6 % |
| Aroma (end of boil) | Cascade | 20 g | 5 min | 6 % |
| Whirlpool | Cascade | 20 g | 0 min | 6 % |
| Whirlpool | Chinook | 20 g | 0 min | 13 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|--------------|-----|-------|--------|-----------|
| Safale US-05 | Ale | Slant | 300 ml | Fermentis |
|--------------|-----|-------|--------|-----------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|-----------|-----------|
| Flavor | Truskawki | 3000 g | Secondary | 10 day(s) |
| Flavor | Wannilia Laska | 5 g | Secondary | 10 day(s) |