

Marakuja ALE

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **17**
- SRM **4**
- Style **Fruit Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **12 %/h**
- Boil size **26.9 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **20.3 liter(s)**
- Total mash volume **26.1 liter(s)**

Steps

- Temp **64 C**, Time **50 min**
- Temp **72 C**, Time **15 min**

Mash step by step

- Heat up **20.3 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **50 min** at **64C**
- Keep mash **15 min** at **72C**
- Sparge using **12.4 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Pilzneński | 3.5 kg (60.3%) | 81 % | 4 |
| Grain | Pszeniczny | 2 kg (34.5%) | 85 % | 4 |
| Grain | Weyermann - Acidulated Malt | 0.3 kg (5.2%) | 80 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | lunga | 20 g | 30 min | 11 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------|------|--------|---------|------------|
| FM53 Voss kveik | Ale | Liquid | 1000 ml | FM |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------|--------|-----------|-----------|
| Flavor | laktoza | 0.4 g | Boil | 5 min |
| Flavor | marakuja | 1500 g | Secondary | 10 day(s) |