

Tropical IPA I

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **48**
- SRM **5.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **40 %/h**
- Boil size **16.8 liter(s)**

Mash information

- Mash efficiency **69.5 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **11.9 liter(s)**
- Total mash volume **15.3 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **11.9 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **0 min** at **78C**
- Sparge using **8.3 liter(s)** of **76C** water or to achieve **16.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale | 3.2 kg (94.1%) | 80 % | 6 |
| Grain | Weyermann - Carapils | 0.2 kg (5.9%) | 78 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------|--------|----------|------------|
| Boil | USA Tomahawk | 10 g | 60 min | 15.8 % |
| Boil | USA Mosaic | 40 g | 5 min | 11.8 % |
| Dry Hop | USA Mosaic | 10 g | 3 day(s) | 11.8 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------------------------|------|-------|--------|------------|
| FM52 Amerykański Sen V | Ale | Slant | 80 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|--------|--------|---------|-----------|
| Flavor | Ananas | 570 g | Primary | 21 day(s) |
| Flavor | Mango | 400 g | Primary | 21 day(s) |