

Kaffir white ipa

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **41**
- SRM **3.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **12 %**
- Size with trub loss **23.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **29.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **19.1 liter(s)**

Steps

- Temp **50 C**, Time **20 min**
- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **14.7 liter(s)** of strike water to **54.5C**
- Add grains
- Keep mash **20 min** at **50C**
- Keep mash **70 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **19.5 liter(s)** of **76C** water or to achieve **29.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|-----------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 3.5 kg (70.7%) | 80 % | 4 |
| Grain | Pszeniczny | 0.7 kg (14.1%) | 85 % | 4 |
| Adjunct | Pszenica niesłodowana | 0.5 kg (10.1%) | 75 % | 3 |
| Grain | Płatki owsiane | 0.25 kg (5.1%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------|--------|----------|------------|
| Boil | Chinook | 7 g | 60 min | 13 % |
| Boil | Citra | 30 g | 15 min | 13.5 % |
| Boil | Amarillo | 35 g | 10 min | 9.5 % |
| Dry Hop | Centennial | 40 g | 7 day(s) | 10.5 % |
| Dry Hop | Galaxy | 30 g | 7 day(s) | 15 % |
| Dry Hop | Amarillo | 20 g | 7 day(s) | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|-------|------|--------|------------|
| Safale S-04 | Wheat | Dry | 12 g | Safale |

Extras

| Type | Name | Amount | Use for | Time |
|-------|-------------------|--------|----------|--------|
| Spice | kaffir | 15 g | Boil | 10 min |
| Spice | kaffir | 5 g | Bottling | --- |
| Spice | kardamon | 8 g | Boil | 10 min |
| Spice | skorki pomaranczy | 20 g | Boil | 10 min |