

Hazy IPA

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **19**
- SRM **4.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.5 liter(s)**
- Total mash volume **28.6 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **67 C**, Time **60 min**
- Temp **77 C**, Time **1 min**

Mash step by step

- Heat up **21.5 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **60 min** at **67C**
- Keep mash **1 min** at **77C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **28.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|-----------------|-------|-----|
| Grain | Viking Pale Ale malt | 4.95 kg (69.2%) | 80 % | 5 |
| Grain | Pszeniczny | 0.88 kg (12.3%) | 85 % | 4 |
| Grain | Płatki pszeniczne | 0.66 kg (9.2%) | 60 % | 3 |
| Grain | Płatki owsiane | 0.66 kg (9.2%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------|--------|-----------|------------|
| Mash | Citra | 27.5 g | 60 min | 12 % |
| First Wort | Citra | 5.5 g | 90 min | 12 % |
| Aroma (end of boil) | Galaxy | 33 g | 1 min | 15 % |
| Aroma (end of boil) | Citra | 44 g | 1 min | 12 % |
| Whirlpool | Centennial | 33 g | 10 min | 10.5 % |
| Whirlpool | Cascade | 33 g | 10 min | 6 % |
| Dry Hop | Amarillo | 27.5 g | 14 day(s) | 9.5 % |
| Dry Hop | Citra | 33 g | 14 day(s) | 12 % |
| Dry Hop | Amarillo | 27.5 g | 3 day(s) | 9.5 % |
| Dry Hop | Citra | 55 g | 3 day(s) | 12 % |

| | | | | |
|---------|--------|------|----------|------|
| Dry Hop | Galaxy | 55 g | 1 day(s) | 15 % |
|---------|--------|------|----------|------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------------|------|------|--------|------------|
| Lallemand - LalBrew Verdant IPA | Ale | Dry | 24.2 g | Lallemand |