

Wheat IPA 31-05-2018

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **53**
- SRM **5.8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19 liter(s)**
- Total mash volume **25.4 liter(s)**

Steps

- Temp **50 C**, Time **10 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **19 liter(s)** of strike water to **55C**
- Add grains
- Keep mash **10 min** at **50C**
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **12.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|-----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3.5 kg (55.1%) | 80 % | 5 |
| Grain | Strzegom Pszeniczny | 1.85 kg (29.1%) | 81 % | 6 |
| Grain | Carahell | 0.5 kg (7.9%) | 77 % | 26 |
| Grain | Płatki owsiane | 0.5 kg (7.9%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil | Chinook | 20 g | 45 min | 13 % |
| Boil | Galaxy | 20 g | 30 min | 15.8 % |
| Aroma (end of boil) | Cascade | 20 g | 15 min | 6.9 % |
| Aroma (end of boil) | Galaxy | 30 g | 0 min | 15.8 % |
| Dry Hop | Cascade | 35 g | 5 day(s) | 6.9 % |
| Dry Hop | Galaxy | 35 g | 3 day(s) | 15.8 % |

Yeasts

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

| | | | | |
|-------|-----|-------|--------|-----|
| Us-05 | Ale | Slant | 200 ml | --- |
|-------|-----|-------|--------|-----|

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------|--------|---------|--------|
| Flavor | Laktoza | 500 g | Boil | 10 min |